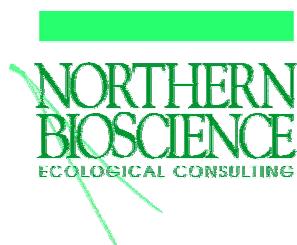


Vascular Plant and Odonate Survey

Voyageurs National Park

Prepared for: The Great Lakes Network Inventory and Monitoring Program

Prepared by: Allan Harris
Robert Foster



January 2005

**Great Lakes Network Report
GLKN/2005/01**

Abstract

In 2004 we conducted surveys for odonate and vascular plant species in Voyageurs National Park. Eight new plant species were discovered for the park. We estimate that 73% to 81% of the “potential flora” (plant species known to occur in the park plus those expected to occur) is known from the park. This is a minor increase from the 72% – 81% previously estimated. One of the new species, *Minuartia dawsonensis* is ranked as *Special Concern* in Minnesota.

Thirty-one species of odonates (dragonflies and damselflies) were observed in the park. A preliminary list of potential species for the park was developed which includes odonate species known to occur in the park plus those expected to occur. We estimate that approximately 23-31% of 101-133 potential species is known from the park.

Georeferenced locations of new and significant species are provided, as is a revised checklist of the vascular plants of Voyageurs National Park. A preliminary list of potential odonate species for the park is provided as well.

Acknowledgements

We thank Joan Elias (Great Lakes Network Office), Lee Grim (Voyageurs National Park) and Steve Windels (Voyageurs National Park) for their assistance in the project. Suzanne Sanders (Great Lakes Network Office) and Joan Elias commented on an earlier draft of this report.

Table of Contents

Abstract.....	1
Acknowledgements.....	1
Table of Contents.....	2
Figures.....	2
Tables.....	2
Appendices.....	2
Methods.....	3
Results and Discussion	6
New Plants for Voyageurs National Park	6
Other Notable Species.....	7
Potential Flora.....	7
Odonates	10
Other Taxa	13
Recommendations.....	14
Literature Cited	14

Figures

Figure 1. Plant and odonate sampling locations, Voyageurs National Park, 2004 (denoted by the red points).	5
Figure 2. <i>Minuartia dawsonensis</i> on Fox Islands. Voyageurs National Park, 2004.....	9
Figure 3. Leucogabbro bedrock, habitat for <i>Minuartia dawsonensis</i> and <i>Juniperus horizontalis</i> . Voyageurs National Park, 2004	9

Tables

Table 1. Odonate status codes, Voyageurs National Park	4
Table 2. New vascular plant species for Voyageurs National Park	7
Table 3. Potential flora of Voyageurs National Park.....	8
Table 4. Plant status codes for Voyageurs National Park (Harris and Foster 2003a).....	8
Table 5. Confirmed species of odonates from Voyageurs National Park, 2004.....	11
Table 6. Potential odonate species for Voyageurs National Park.....	13
Table 7. Occurrences of <i>Cicindela denikei</i> in Voyageurs National Park, 2004.	13

Appendices

Appendix 1. Locations for new and significant plant species in Voyageurs National Park	17
Appendix 2. Revised vascular plant list for Voyageurs National Park.....	19
Appendix 3. Preliminary odonate list for Voyageurs National Park	43

Introduction

The goal of the National Park Service inventory program is to verify at least 90% of all plant and vertebrate species expected to occur within each park unit. The “potential flora” for Voyageurs National Park is the total number of verified plant species plus additional expected species. Harris and Foster (2003a) estimated the “potential flora” (plant species known to occur in the park plus those expected to occur) of Voyageurs National Park at 934 to 1045 species, of which 740 were satisfactorily reported from the park. The Great Lakes Network Inventory and Monitoring Program funded fieldwork during summer 2004 to increase the proportion of documented vascular plant species.

Invertebrate species have typically not been addressed with respect to the number of potential species. Voyageurs National Park (VOYA) lacks an accurate estimate of the number of odonate (damselfly and dragonfly species) likely to occur within park boundaries. Odonates are a suitable group for assessment because their taxonomy is well established, collection and identification is not overly problematic, they are moderately diverse, and are good environmental indicators. A secondary objective of 2004 fieldwork was to begin an assessment of potential dragonfly and damselfly species for VOA.

Methods

We targeted habitats likely to support plant species expected to occur in Voyageurs National Park based on Harris and Foster (2003b). These included:

- 1) Diabase outcrop on the Echo Bay trail (Hemstad et al. 2002)
- 2) Shorelines with leucogabbro bedrock on the Fox Islands and Dryweed Island in Rainy Lake (Hemstad et al. 2002)
- 3) Prairie and savannah communities on the islands at the west end of Kabatogama Lake
- 4) Tom Cod Bay Peatlands
- 5) Campsites and other disturbed areas
- 6) Aquatic habitats

Fieldwork was completed June 15, 16, 21-23, and August 17 – 19, 2004. For the most part, odonates were collected opportunistically while searching for plants. Voucher specimens of most species were collected for the Voyageurs National Park herbarium.

A map of sampling locations is shown in Figure 1.

A preliminary list of potential odonate species for Voyageurs National Park was derived using the following sources:

- 1) Collection records from the Ontario side of Rainy Lake (Harris et al. 2002)
- 2) Ontario Odonata Database (2004)
- 3) United States Geological Service (USGS) county records compiled by Kondratieff (2000)
- 4) Distribution Summary of North American Anisoptera (Bick and Mauffray 2004)
- 5) Dragonflies of the North Woods (Mead 2003)

-
- 6) Range maps in Dragonflies through Binoculars (Dunkle 2000)
 - 7) A Preliminary Checklist of Minnesota Insects- Odonata compiled by Haarstad (2002)

The Ontario Odonata Database (2004) includes records from Walker (1953, Vols.1-3) as well as more recent work, and is the most current database available for Ontario. The Minnesota species distributions in Kondratieff (2000) are based in part on Carroll and Gunderson (1995), Paulson and Dunkle (1999), Steffans and Smith (1999), and Westfall and May (1996). Unfortunately, the maps shown on the USGS website are incomplete and contain inaccuracies.

Each odonate species was coded by its probability of occurring in VOYA based on the authors' experience in northwestern Minnesota and adjacent Ontario (Table 1). This list is considered preliminary since it does not take into account presence of suitable habitat in park and does not include the most comprehensive odonate distribution projects.

Table 1. Odonate status codes, Voyageurs National Park.

Rank	Confirmed Presence	Probability of Occurring in Voyageurs National Park
1	Collected / sight record from Voyageurs National Park	confirmed
2	Reported from St. Louis or Koochiching counties or Canadian side of Rainy Lake	very high
3	Reported from adjacent counties or Rainy River District	high
4	Reported elsewhere in Minnesota or northwestern Ontario – range may include Voyageurs National Park	moderate
5	Reported elsewhere in Minnesota or northwestern Ontario - at extreme edge of its known range	low
6	Reported in states adjacent to Minnesota	very low

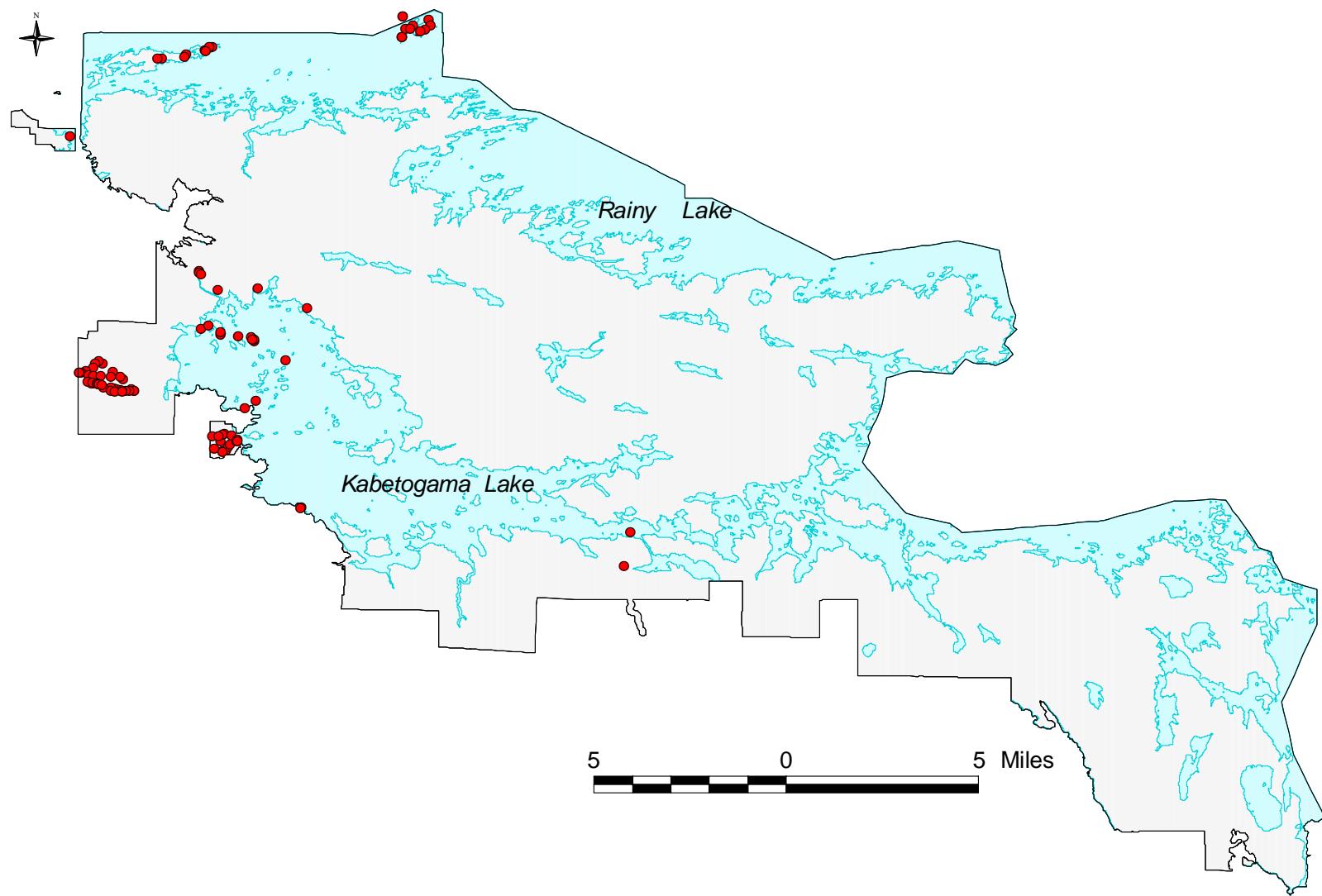


Figure 1. Plant and odonate sampling locations, Voyageurs National Park, 2004 (denoted by the red points).

Results and Discussion

New Plants for Voyageurs National Park

The following is an annotated list of plant species new for Voyageurs National Park. Table 2 summarizes changes in status of the plant species. Locations are provided in Appendix 1.

Assiniboa Sedge *Carex assiniboinensis* W. Boott

Assiniboa sedge was discovered at four locations on islands at the west end of Kabatogama Lake in association with bur oak, basswood and prairie species. This is a western species, widespread in central and western Minnesota (Ownbey and Morley 1991).

Sprengel's Sedge *Carex sprengelii* Dewey ex Spreng.

Sprengel's sedge was discovered at nine locations on islands at the west end of Kabatogama Lake in association with bur oak, basswood and prairie species. This species is widespread in Minnesota, but apparently uncommon in the northeast part of the state (Ownbey and Morley 1991).

Tiny Trumpet *Collomia linearis* Nutt.

This small wildflower was discovered on a south-facing slope on one of the Three Sisters Islands. It has a similar distribution to Sprengel's sedge (Ownbey and Morley 1991).

Smooth Oxeye *Heliopsis helianthoides* (L.) Sweet

Smooth oxeye is locally abundant on the roadside near Whispering Pines staff quarters. It is possibly introduced in a roadside wildflower seed mixture, along with other prairie species such as *Helianthus* spp., *Rudbeckia hirta*, and *Agastache foenicula*. Its native range covers most of the state (Ownbey and Morley 1991).

American Milletgrass *Milium effusum* L.

Discovered at five locations on islands at the west end of Kabatogama Lake in association with bur oak, basswood and prairie species. Widespread in eastern and northern Minnesota (Ownbey and Morley 1991).

Rock Stitchwort *Minuartia dawsonensis* (Britt.) House

Rock stitchwort was discovered at seven locations on the Fox Islands and Dryweed Island in Rainy Lake (Figure 2). It is associated with *Senecio pauperculus* and *Juniperus horizontalis* on leucogabbro bedrock (Figure 3). Its Minnesota range includes the Lake of the Woods area and the southeast part of the state (Coffin and Pfannmuller 1988). Some authorities treat this taxon as *Arenaria dawsonensis* or *Arenaria stricta* ssp. *dawsonensis* (Coffin and Pfannmuller 1988). Ranked as *Special Concern* in Minnesota (Minnesota DNR 2004).

Obedient Plant***Physostegia virginiana* (L.) Benth.**

Obedient plant was discovered in mesic oak – basswood forest on one of the Three Sisters Islands and Woodenfrog Island. Widespread in Minnesota (Ownbey and Morley 1991).

Crack Willow***Salix fragilis* L.**

Two large crack willow trees were found on shorelines on islands in Kabatogama Lake. This is an introduced European species, naturalized at scattered locations in Minnesota (Cholewa 2004).

Table 2. New vascular plant species for Voyageurs National Park. Refer to Table 4 for status codes.

Species	Former Status	New Status
<i>Carex assiniboinensis</i>	8	1
<i>Carex sprengelii</i>	2	1
<i>Collomia linearis</i>	2	1
<i>Heliopsis helianthoides</i>	2	1
<i>Milium effusum</i>	2	1
<i>Minuartia dawsonensis</i>	-	1
<i>Physostegia virginiana</i>	2	1
<i>Salix fragilis</i>	-	1

Other Notable Species**Shortspike Watermilfoil*****Myriophyllum sibiricum* Kom.**

Aberrant populations of the native *Myriophyllum sibiricum* were discovered at Sheen Point (by Joan Elias). These plants had more than 12 leaf segments per side and therefore initially identified as the invasive Eurasian watermilfoil. However, a milfoil expert in the Minnesota Department of Natural Resources identified the specimen as *M. sibiricum* based on morphological features. Eurasian watermilfoil was previously listed for the park (although the record was rejected in Harris and Foster 2003a).

Water Pygmyweed***Crassula aquatica* (L.) Schoenl.**

Two new locations for water pygmyweed were discovered on Kabatogama Lake. This species is ranked as *Threatened* in Minnesota (Minnesota DNR 2004).

Potential Flora

A revised estimate of the “potential flora” (plant species known to occur in the park plus those expected to occur) is shown in Table 3. Each species was coded by its probability of occurring in Voyageurs National Park (Table 4).

Table 3. Potential flora of Voyageurs National Park. Previous numbers reported in Harris and Foster (2003b) are in parentheses.

Code	Status	# Species
1	Satisfactorily reported	766 (758)
2	Surrounding native	156 (161)
3	Invasive exotic	22 (22)
4	Non-invasive exotic	22 (22)
5	Taxonomic difficulties	72 (72)
6	Dubious record	8 (8)
7	Limited habitat	0 (0)
8	Outlier	86 (87)

Table 4. Plant status codes for Voyageurs National Park (Harris and Foster 2003a).

1	Satisfactorily reported for VOYA
2	Native species reported from surrounding area with a strong probability of occurring in VOYA
3	Exotic reported from surrounding area – potentially present or with a reasonable probability of invading the park
4	Exotic reported from surrounding area, but non-invasive (localized garden escapes, etc.)
5	Reported for VOYA, but taxonomic difficulties (including hybrids and subspecies)
6	Reported for VOYA, but record is dubious
7	Occurs in adjacent area, but habitat is limited in VOYA
8	Occurs as an outlier or at the periphery of its range in the area with small chance of occurring in VOYA

A total of 766 vascular plant species is now satisfactorily documented from Voyageurs National Park (Table 3). A conservative estimate of the potential flora for Voyageurs National Park is 944 species (Code 1 + Code 2 + Code 3 species). A more liberal estimate, which also includes the non-invasive exotic species and outlier species, is 1052 species (Code 1 + Code 2 + Code 3 + Code 4 + Code 8 species). According to these estimates, 73% to 81% of the potential flora is known from the park. This is a minor increase from the 72% to 81% estimated by Harris and Foster (2003b).

A revised species list for Voyageurs National Park is presented in Appendix 2.



Figure 2. *Minuartia dawsonensis* on Fox Islands. Voyageurs National Park, 2004.

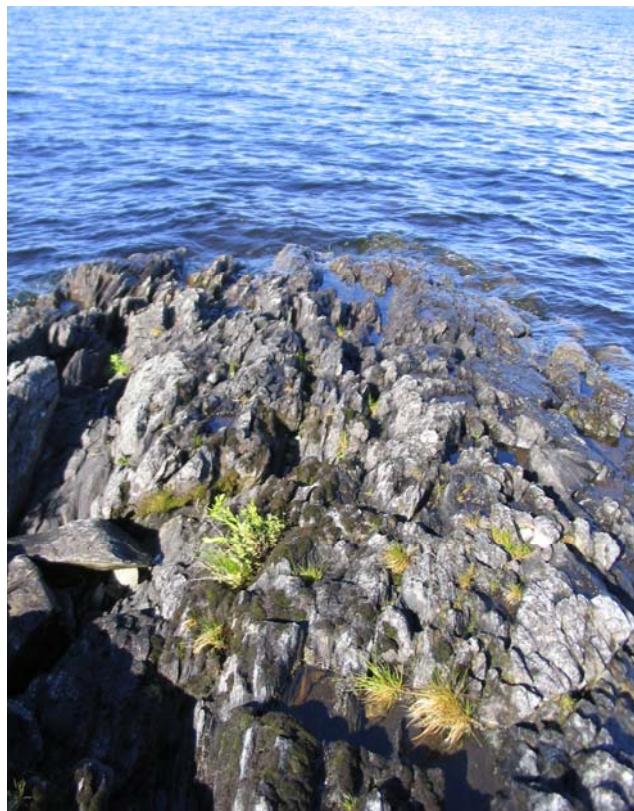


Figure 3. Leucogabbro bedrock, habitat for *Minuartia dawsonensis* and *Juniperus horizontalis*. Voyageurs National Park, 2004

Odonates

A total of 31 species of odonates were observed in VOYA during 2004, including 8 damselflies (Zygoptera) and 23 dragonflies (Anisoptera) (Table 5). A conservative estimate of the potential odonate species for Voyageurs National Park is 101 species (Codes 1-3), which includes 21 damselfly and 80 dragonfly species (Table 6). A more liberal estimate, which also includes the wide-ranging or outlier species, is 133 species (Code 1-5). According to these estimates, 23% to 31% of the potential odonate fauna is known from the park.

Voyageurs National Park includes a wide range of aquatic habitats, including lotic and lentic environments. Riverine systems range from intermittent, high-gradient streams to large, slow-moving rivers such as the Ash River. Waterbodies include numerous inland beaver ponds as well as large, windswept lakes such as Rainy and Kabetogoma. Fen and bog pools in the large peatland at the western boundary of the park increase the diversity of habitats for northern species. Availability of different habitats and habitat preference for individual species were not taken into account when developing the preliminary list of potential odonates for the park.

The species list and codes are presented in Appendix 3. This list with codes is available in an Access database, which can be sorted to allow the Park to accept varying degrees of inclusion. Subspecies were excluded from the list.

Table 5. Confirmed species of odonates from Voyageurs National Park, 2004.

FAMILY - Species	COMMON NAME	DATE	EASTING	NORTHING	# of Obs.	LOCATION
LESTIDAE - Spreadwings						
<i>Lestes disjunctus disjunctus</i>	Common Spreadwing	2004-08-17	493901	5373334	1	oval island to north of Killiam Island, Kabetogama Lake
<i>Lestes rectangularis</i>	Slender Spreadwing	2004-08-17	493584	5373175	1	Killiam Island, Kabetogama Lake
COENAGRIONIDAE - Pond Damsels						
<i>Coenagrion resolutum</i>	Taiga Bluet	2004-06-21	494477	5368028	2	Echo Bay trail parking lot
<i>Enallagma boreale</i>	Boreal Bluet	2004-06-15	511547	5364652	3	Whispering Pines staff quarters
<i>Enallagma cyathigerum</i>	Northern Bluet	2004-06-21	494728	5368212	2	Echo Bay trail
<i>Enallagma ebrrium</i>	Marsh Bluet	2004-06-16	511273	5363263	2	Kab-Ash Trail overlook
<i>Enallagma hageni</i>	Hagen's Bluet	2004-08-17	493584	5373175	6	Killiam Island, Kabetogama Lake
<i>Nehalennia irene</i>	Sedge Sprite	2004-06-21	495080	5368449	4	Echo Bay trail
AESHNIDAE - Darners						
<i>Aeshna canadensis</i>	Canada Darner	2002-08-08	511547	5364652	1	Whispering Pines staff quarters
<i>Aeshna constricta</i>	Lance-tipped Darner	2004-08-17	493514	5375475	2	Gold Portage, Kabetogama Lake
<i>Aeshna eremita</i>	Lake Darner	2004-08-17	494404	5372948	1	south end of Chief Woodenfrog Island, Kabetogama Lake
<i>Aeshna interrupta</i>	Variable Darner	2004-08-17	494404	5372948	1	south end of Chief Woodenfrog Island, Kabetogama Lake
<i>Anax junius</i>	Common Green Darner	2004-06-16	511273	5363263	1	Kab-Ash Trail overlook
<i>Basiaeschna janata</i>	Springtime Darner	2004-06-15	511547	5364652	1	Whispering Pines staff quarters
GOMPHIDAE - Clubtails						
<i>Gomphus graslinellus</i>	Pronghorn Clubtail	2004-07-14	511547	5364652	1	Kabetogama Visitors Center, Kabetogama Lake
<i>Gomphus spicatus</i>	Dusky Clubtail	2004-06-16	511273	5363263	6	Kab-Ash Trail overlook
<i>Hagenius brevistylus</i>	Dragonhunter	2004-08-17	493901	5373334	1	oval island to north of Killiam Island, Kabetogama Lake
MACROMIIDAE - Cruisers						
<i>Didymops transversa</i>	Stream Cruiser	2004-06-16	502780	5385593	1	Small island east of Fox Island
CORDULIIDAE - Emeralds						
<i>Epitheca canis</i>	Beaverpond Baskettail	2004-06-16	511273	5363263	1	Kab-Ash Trail overlook
<i>Epitheca cynosura</i>	Common Baskettail	2004-06-16	511273	5363263	2	Kab-Ash Trail overlook
<i>Epitheca princeps</i>	Prince Baskettail	2004-07-14	511547	5364652	2	Kabetogama Visitors Center, Kabetogama Lake
<i>Epitheca spinigera</i>	Spiny Baskettail	2004-06-15	511547	5364652	1	Whispering Pines staff quarters

Vascular Plant and Odonate Survey of Voyageurs National Park

FAMILY - Species	COMMON NAME	DATE	EASTING	NORTHING	# of Obs.	LOCATION
<i>Somatochlora franklini</i>	Delicate Emerald	2004-06-22	495811	5372675	2	eastern island of the Three Sisters, Kab Lake
LIBELLULIDAE - Skimmers						
<i>Ladona julia</i>	Chalk-fronted Corporal	2004-06-16	511273	5363263	1	Kab-Ash Trail overlook
<i>Leucorrhinia frigida</i>	Frosted Whiteface	2004-06-16	489946	5370672	1	Tom Cod Bay fen
<i>Leucorrhinia hudsonica</i>	Hudsonian Whiteface	2004-06-23	494048	5384948	3	island east of Dryweed Island, Rainy Lake
<i>Leucorrhinia intacta</i>	Dot-tailed Whiteface	2004-06-16	511273	5363263	3	Kab-Ash Trail overlook
<i>Leucorrhinia proxima</i>	Red-waisted Whiteface	2004-06-21	494344	5368654	4	Echo Bay trail
<i>Libellula quadrimaculata</i>	Four-spotted Skimmer	2004-06-16	511273	5363263	1	Kab-Ash Trail overlook
<i>Sympetrum obtrusum</i>	White-faced Meadowhawk	2004-08-17	493901	5373334	1	oval island to north of Killiam Island, Kabetogama Lake
<i>Sympetrum vicinum</i>	Yellow-legged Meadowhawk	2004-08-17	493584	5373175	2	Killiam Island, Kabetogama Lake

Table 6. Potential odonate species for Voyageurs National Park.

Code	Description	# of Species
1	Confirmed for VOYA	31
2	Rainy Lake (Canada) or St. Louis or Koochiching Co.	47
3	Adjacent counties or Rainy River District (Canada)	23
4	MN or NW Ontario and wide range	4
5	MN or NW Ontario but at edge of range	28
6	Adjacent states	53

Other Taxa

Four occurrences of a Threatened (DNR 2004) tiger beetle species (*Cicindela denikei*) were recorded during 2004 fieldwork (Table 7). This species is relatively common in adjacent Ontario (Harris et al. 2002) but is endemic to the area west of Lake Superior (Coffin and Pfannmuller 1988).

Two adult bald eagles (one carrying a fish) and their nest were observed on June 23, 2004 on Fox Island.

Table 7. Occurrences of *Cicindela denikei* in Voyageurs National Park, 2004.

Date	Location	Easting	Northing	Habitat
June 16	Kab-Ash Trail overlook	511273	5363263	bedrock knoll
June 22	trail by Gold Portage	493508	5375565	rocky trail
June 23	island east of Dryweed Island	494048	5384948	rocky shoreline
June 23	Dryweed Island	492986	5384623	rocky shoreline

Recommendations

1. The preliminary list of potential odonate species should be refined based on available habitats and more current distribution maps.
2. Additional odonate surveys should be conducted to confirm species present in the park.

Literature Cited

- Bick, G.H. and B. Mauffray. 2004. Distribution Summary of North American Anisoptera. <http://www.afn.org/~iori/nalist.html> Accessed 2004/11/11
- Carrol, M. and R. Gunderson. 1995. Distribution of Minnesota Dragonflies (Odonata:Anisoptera). Occasional Papers in Aquatic Biology. St. Cloud State University. 2(1):32 pp.
- Cholewa, A.F. 2004. Annotated Checklist of the Flora of Minnesota. <http://www.cbs.umn.edu/herbarium/checklis2.htm>. University of Minnesota Herbarium. Accessed November 15 2004.
- Coffin, B. and L. Pfannmuller. 1988. Minnesota's Endangered Flora and Fauna. Univ. of Minnesota Press. Minneapolis.
- Dragonfly Society of America. 2004. Checklist of the Odonata of North America. website <http://www.ups.edu/biology/museum/NAdragons.html> Accessed September 2004
- Dunkle, S. 2000. Dragonflies through Binoculars. Oxford University Press. New York.
- Gleason, H.A. and A. Cronquist. 1991. Manual of Vascular Plants of Northeastern United States and Adjacent Canada. Second Edition. New York Botanical Garden.
- Haarstad, J.A. 2002. A Preliminary Checklist Of Minnesota Insects- Odonata,. <http://www.cedarcreek.umn.edu/insects/checklist/odonata.html> Accessed 2004/11/11
- Harris, A.G. and R.F. Foster. 2003a. Potential flora of Voyageurs National Park. Unpublished report. Prepared for Voyageurs National Park and The Great Lakes Network Inventory and Monitoring Program.
- Harris, A.G. and R.F. Foster. 2003b. Vascular plant survey Voyageurs National Park. Unpublished report. Prepared for Voyageurs National Park and The Great Lakes Network Inventory and Monitoring Program.

- Harris, A.G., R.F. Foster, M.J. Oldham, and W.D. Bakowsky. 2002. Life science inventory of Rainy Lake, Ontario. Unpublished report. Prepared for the Rainy Lake Conservancy.
- Hemstad, C.B., D.L. Southwick, and R.W. Ojakangas. 2002. Bedrock Geologic Map of Voyageurs National Park and Vicinity. Miscellaneous Map Series. Map M-125.
- Kondratieff, Boris C. (coordinator). 2000. Dragonflies and Damselflies (Odonata) of the United States. Jamestown, ND: Northern Prairie Wildlife Research Center Online. <http://www.npwrc.usgs.gov/resource/distr/insects/dfly/dflyusa.htm> (Version 12DEC2003).
- Mead, K. 2003. Dragonflies of the North Woods. Kollath – Stensaas Publishing. Duluth, Minnesota.
- Minnesota Department of Natural Resources (DNR). 2004.
<http://www.dnr.state.mn.us/ets/index.html> Natural Heritage and Nongame Research Program Division of Ecological Services Minnesota Department of Natural Resources. Accessed November 15 2004.
- Ontario Odonata Database. 2004. Database of Ontario Odonata records on file at the Natural Heritage Information Centre, Ontario Ministry of Natural Resources, Peterborough. Accessed on October 13, 2004.
- Ownbey, G.B. and T. Morley. 1991. Vascular Plants of Minnesota. University of Minnesota Press. Minneapolis.
- Paulson, D.R., and S.W. Dunkle. 1999. A Checklist of North American Odonata: Including English Name, Etymology, Type Locality, and Distribution. Slater Museum of Natural History, University of Puget Sound, Occassional Paper Number 56, Tacoma, Washington
- Steffans, W.P., and W.A. Smith. 1999. New distribution records for Minnesota Odonata. The Great Lakes Entomologist. 32(2):219-223
- USDA, NRCS. 2002. The PLANTS Database, Version 3.5 (<http://plants.usda.gov>). National Plant Data Center, Baton Rouge, LA. November 15 2004.
- Walker, E.M. 1953. The Odonata of Canada and Alaska. Vol 1, part 1: General; part 2: The Zygoptera - damselflies. Univ. Toronto Press, Toronto, Canada. 292 pp.
- Walker, E.M. 1958. The Odonata of Canada and Alaska. Vol 2, part 3: The Anisoptera - four families. Univ. Toronto Press, Toronto, Canada. 318pp.
- Walker, E.M. and P.S. Corbet. 1975. The Odonata of Canada and Alaska. Vol 3, part 4: The Anisoptera - three families. Univ. Toronto Press, Toronto, Canada. 304pp.

Westfall, M.J. and M.L. May. 1996. *Damselflies of North America*. Scientific Publishers, Gainesville, Florida. 649pp.

Appendix 1. Locations for new and significant plant species in Voyageurs National Park.

Species	UTM Zone	UTM Easting	UTM Northing	Location	Notes
<i>Carex assiniboinensis</i>	15	494272	5372766	Northeast side of Cemetery Island, Kabatogama Lake	Big patch on south side of island
<i>Carex assiniboinensis</i>	15	494095	5372861	North end of Cemetery Island, Kabatogama Lake	Common
<i>Carex assiniboinensis</i>	15	494314	5372493	South side of south lobe of Cemetery Island, Kabatogama Lake	Abundant
<i>Carex assiniboinensis</i>	15	498030	5374011	Zollner Island, Kabatogama Lake	Bur oak – basswood stand
<i>Carex sprengei</i>	15	495929	5370094	Killiam Island, Kabatogama Lake	Common on east side of island under oaks
<i>Carex sprengei</i>	15	495817	5372705	Eastern of the Three Sisters Islands, Kabatogama Lake	Forms dense sward just below the oaks at edge of prairie community
<i>Carex sprengei</i>	15	494095	5372861	North end of Cemetery Island, Kabatogama Lake	
<i>Carex sprengei</i>	15	494272	5372766	Northeast side of Cemetery Island, Kabatogama Lake	
<i>Carex sprengei</i>	15	494314	5372493	South side of south lobe of Cemetery Island, Kabatogama Lake	Abundant
<i>Carex sprengei</i>	15	496370	5370808	Island south of Wood Duck Island, Kabatogama Lake	Abundant
<i>Carex sprengei</i>	15	494946	5372804	Westernmost of the Three Sisters Islands, Kabatogama Lake	
<i>Carex sprengei</i>	15	496037	5372303	Island north of Bald Eagle Island, Kabatogama Lake	North side of island
<i>Carex sprengei</i>	15	498030	5374011	Zollner Island, Kabatogama Lake	Bur oak – basswood stand
<i>Collomia linearis</i>	15	495817	5372705	Eastern of the Three Sisters Islands, Kabatogama Lake	South facing slope on thin dry soil
<i>Crassula aquatica</i> *	15	494095	5372861	North end of Cemetery Island, Kabatogama Lake	In 3 cm of water on shore

Vascular Plant and Odonate Survey of Voyageurs National Park

Species	UTM Zone	UTM Easting	UTM Northing	Location	Notes
<i>Crassula aquatica</i> *	15	496037	5372303	Island north of Bald Eagle Island, Kabatogama Lake	
<i>Helianthus helianthoides</i>	15	511554	5361617	Roadside near Whispering Pines, Kabatogama Lake	Abundant. Possibly introduced here.
<i>Milium effusum</i>	15	495929	5370094	Killiam Island, Kabatogama Lake	
<i>Milium effusum</i>	15	494095	5372861	North end of Cemetery Island, Kabatogama Lake	
<i>Milium effusum</i>	15	494272	5372766	Northeast side of Cemetery Island, Kabatogama Lake	
<i>Milium effusum</i>	15	494946	5372804	Westernmost of the Three Sisters Islands, Kabatogama Lake	Uncommon
<i>Milium effusum</i>	15	498030	5374011	Zollner Island, Kabatogama Lake	Bur oak – basswood stand
<i>Minuartia dawsonensis</i> **	15	501977	5385344	Small island west of Fox Island, Rainy Lake	Uncommon
<i>Minuartia dawsonensis</i> **	15	501974	5385347	2 nd small island west of Fox Island, Rainy Lake	
<i>Minuartia dawsonensis</i> **	15	503180	5385828	Small island east of Fox Island, Rainy Lake	
<i>Minuartia dawsonensis</i> **	15	502974	5385687	2 nd small island east of Fox Island, Rainy Lake	
<i>Minuartia dawsonensis</i> **	15	493961	5384927	Drywood Island, Rainy Lake	
<i>Minuartia dawsonensis</i> **	15	498141	5384739	Small island north of Steamboat Island, Rainy Lake.	Collected 2003
<i>Minuartia dawsonensis</i> **	15	494089	5385036	Southeast corner of Dryweed Island, Rainy Lake.	Collected 2003
<i>Physostegia virginiana</i>	15	494946	5372804	Westernmost of the Three Sisters Islands, Kabatogama Lake	West end of island. 12 plants.
<i>Physostegia virginiana</i>	15	494401	5373005	Woodenfrog Island	
<i>Salix fragilis</i>	15	497237	5370957	Island east of Wood Duck Island, Kabatogama Lake	Sprawling tree 8 m tall, trunk diameter 30 cm. East end of island.
<i>Salix fragilis</i>	15	496037	5372303	Island north of Bald Eagle Island, Kabatogama Lake	Tree 50 cm trunk diameter

* Threatened, DNR 2004, ** Special Concern, DNR 2004

Appendix 2. Revised vascular plant list for Voyageurs National Park.

Updated from Harris and Foster 2004. Taxonomy and nomenclature generally follow Gleason and Cronquist (1991) and USDA, NRCS (2002). The status of *Selaginella densa* is pending confirmation of identification. Voucher specimens were collected for species marked *.

FAMILY LYCOPODIACEAE

- Lycopodiella inundata* (L.) Holub
Lycopodium annotinum L.
Lycopodium clavatum L.
Lycopodium complanatum L.
Lycopodium dendroideum Michx.
Lycopodium lucidulum Michx.
Lycopodium obscurum L.

Clubmoss Family

- Inundated Club Moss
Stiff Club Moss
Common Club Moss
Ground-Cedar
Tree Ground Pine
Shining Club Moss
Ground Pine

FAMILY SELAGINELLACEAE

- Selaginella densa* Rydb.
Selaginella rupestris (L.) Spring

Selaginella Family

- Lesser Spikemoss
Northern Selaginella

FAMILY ISOETACEAE

- Isoetes lacustris* L.

Quillwort Family

- Lake Quillwort

FAMILY EQUISETACEAE

- Equisetum arvense* L.
Equisetum fluviatile L.
Equisetum hyemale L.
Equisetum palustre L.
Equisetum pratense Ehrh.
Equisetum scirpoides Michx.
Equisetum sylvaticum L.
Equisetum variegatum Schleich. ex Fried., Weber & Mohr

Horsetail Family

- Field Horsetail
Water Horsetail
Scouring Horsetail
Marsh Horsetail
Meadow Horsetail
Dwarf Scouringrush
Woodland Horsetail
Variegated Scouringrush

FAMILY OPHIOGLOSSACEAE

- Botrychium multifidum* (S.G. Gmel.) Rupr.
Botrychium virginianum (L.) Swartz

Adder's Tongue Family

- Leathery Grapefern
Rattlesnake Fern

FAMILY OSMUNDACEAE

- Osmunda cinnamomea* L.
Osmunda claytoniana L.

Royal Fern Family

- Cinnamon Fern
Interrupted Fern

FAMILY DENNSTAEDTIACEAE

- Pteridium aquilinum* (L.) Kuhn

Bracken Fern Family

- Bracken

FAMILY THELYPTERIDACEAE

Phegopteris connectilis (Michx.) Watt
Thelypteris palustris Schott

Marsh Fern Family

Long Beechfern
Marsh Fern

FAMILY DRYOPTERIDACEAE

Athyrium filix-femina (L.) Roth ex Mert.
Cystopteris bulbifera (L.) Bernh.
Cystopteris fragilis (L.) Bernh.
Dryopteris campyloptera Clarkson
Dryopteris carthusiana (Vill.) H.P. Fuchs
Dryopteris cristata (L.) A. Gray
Dryopteris fragrans (L.) Schott
Gymnocarpium dryopteris (L.) Newman
Gymnocarpium robertianum (Hoffm.) Newman
Matteuccia struthiopteris (L.) Tod.
Onoclea sensibilis L.
Woodsia ilvensis (L.) R. Br.
Woodsia oregana D.C. Eaton

Wood Fern Family

Common Ladyfern
Bulblet Bladderfern
Brittle Bladderfern
Mountain Woodfern
Spinulose Woodfern
Crested Woodfern
Fragrant Woodfern
Western Oakfern
Scented Oakfern
Ostrich Fern
Sensitive Fern
Rusty Woodsia
Oregon Cliff Fern

FAMILY POLYPODIACEAE

Polypodium virginianum L.

Polypody Family

Rock Polypody

FAMILY PINACEAE

Abies balsamea (L.) Miller
Larix laricina (Du Roi) K. Koch
Picea glauca (Moench) Voss
Picea mariana (Miller) B.S.P.
Pinus banksiana Lamb.
Pinus nigra Arnold
Pinus resinosa Sol. ex Aiton
Pinus strobus L.

Pine Family

Balsam Fir
Tamarack
White Spruce
Black Spruce
Jack Pine
Austrian Pine
Red Pine
White Pine

FAMILY CUPRESSACEAE

Juniperus communis L.
Juniperus horizontalis Moench
Thuja occidentalis L.

Cedar Family

Common Juniper
Creeping Juniper
Eastern Arbovitae

FAMILY TAXACEAE

Taxus canadensis Marshall

Yew Family

Canada Yew

FAMILY ARISTOLOCHIACEAE

Asarum canadense L.

Duchman's-pipe Family

Canadian Wild Ginger

FAMILY NYMPHAEACEAE

Nuphar luteum (L.) Sm.
Nuphar rubrodisca Morong
Nymphaea odorata Ait.

Water-lily Family

Varigated Yellow Pond Lily
Yellow Pond Lily
American White Waterlily

FAMILY CABOMBACEAE

Brasenia schreberi J. Gmel.

Water-shield Family

Watershield

FAMILY CERATOPHYLLACEAE

Ceratophyllum demersum L.
Ceratophyllum echinatum A. Gray

Hornwort Family

Coontail
Spineless Hornwort

FAMILY RANUNCULACEAE

Actaea rubra (Aiton) Willd.
Anemone canadensis L.
Anemone cylindrica A. Gray
Anemone quinquefolia L.
Anemone virginiana L.
Aquilegia canadensis L.
Caltha natans Pall.
Caltha palustris L.
Coptis trifolia (L.) Salisb.
Hepatica nobilis Schreb. var *obtusa*
Ranunculus abortivus L.
Ranunculus acris L.
Ranunculus cymbalaria Pursh
Ranunculus flabellaris Raf.
Ranunculus flammula L.
Ranunculus gmelinii DC.
Ranunculus hispidus Michx.
Ranunculus lapponicus L.
Ranunculus longirostris Godr.
Ranunculus pensylvanicus L. f.
Ranunculus sceleratus L.
Thalictrum dasycarpum Fischer & Avé-Lall.
Thalictrum dioicum L.
Thalictrum venulosum Trel.

Crowfoot or Buttercup Family

Red Baneberry
Canada Anemone
Candle Anemone
Nightcaps
Tall Thimbleweed
Red Columbine
Floating Marsh Marigold
Yellow Marsh Marigold
Threeleaf Goldthread
Roundlobed Hepatica
Littleleaf Buttercup
Tall Buttercup
Alkali Buttercup
Yellow Water Buttercup
Spearwort Buttercup
Gmelin's Buttercup
Bristly Buttercup
Lapland Buttercup
Longbeak Buttercup
Pennsylvania Buttercup
Celeryleaf Buttercup
Purple Meadowrue
Early Meadowrue
Veiny Meadowrue

FAMILY PAPAVERACEAE

Sanguinaria canadensis L.

Poppy Family

Bloodroot

FAMILY FUMARIACEAE

Corydalis aurea Willd.
Corydalis sempervirens (L.) Pers.

Fumitory or Fumewort Family

Scrambledeggs
Rock Harlequin

FAMILY ULMACEAE

Ulmus americana L.

Elm Family

American Elm

FAMILY URTICACEAE

Laportea canadensis (L.) Wedd.
Parietaria pensylvanica Muhlenb. ex Willd.
Urtica dioica L.

Nettle Family

Canadian Wood Nettle
Pellitory
Stinging Nettle

FAMILY MYRICACEAE

Comptonia peregrina (L.) J.M. Coulter.
Myrica gale L.

Wax-myrtle Family

Sweet Fern
Sweetgale

FAMILY FAGACEAE

Quercus ellipsoidalis E.J. Hill
Quercus macrocarpa Michx.
Quercus rubra L.

Beech Family

Northern Pin Oak
Bur Oak
Northern Red Oak

FAMILY BETULACEAE

Alnus incana (L.) Moench ssp *rugosa*
Alnus viridis (Villars) DC. ssp *crispa*
Betula alleghaniensis Britton
Betula papyrifera Marshall var. *cordifolia*
Betula papyrifera Marshall
Betula pumila L.
Corylus americana Walter
Corylus cornuta Marshall
Ostrya virginiana (Miller) K. Koch

Birch Family

Speckled Alder
American Green Alder
Yellow Birch
Mountain Paper Birch
Paper Birch
Swamp Birch
American Hazelnut
Beaked Hazelnut
Eastern Hophornbeam

FAMILY CHENOPodiACEAE

Chenopodium album L.
Chenopodium leptophyllum (Nutt. ex Moq.) Nutt. ex S. Narrowleaf Goosefoot
Watson
Chenopodium simplex (Torr.) Raf.

Goosefoot Family

Lambsquarters
Mapleleaf Goosefoot

FAMILY AMARANTHACEAE

Amaranthus retroflexus L.

Amaranth Family

Redroot Amaranth

FAMILY PORTULACACEAE

Portulaca oleracea L.

Purslane Family

Little Hogweed

FAMILY MOLLUGINACEAE

Mollugo verticillata L.

FAMILY CARYOPHYLLACEAE

Cerastium arvense L.

Cerastium fontanum Baumg.

Cerastium nutans Raf.

Lychnis chalcedonica L.

* *Minuartia dawsonensis* (Britt.) House

Moehringia lateriflora (L.) Fenzl

* *Myosoton aquaticum* (L.) Moench

Silene antirrhina L.

Silene latifolia Poir.

Stellaria longifolia Muhlenb. ex Willd.

Stellaria media (L.) Vill.

FAMILY POLYGONACEAE

Fagopyrum esculentum Moench

Polygonum achoreum Blake

Polygonum amphibium L.

Polygonum aviculare L.

Polygonum ciliinode Michx.

Polygonum convolvulus L.

Polygonum douglasii Greene

Polygonum hydropiper L.

Polygonum lapathifolium L.

Polygonum persicaria L.

Polygonum punctatum Elliott

Polygonum ramosissimum Michx.

Polygonum sagittatum L.

Polygonum scandens L.

Rumex acetosella L.

Rumex crispus L.

Rumex longifolius DC.

Rumex maritimus L.

Rumex obtusifolius L.

Rumex orbiculatus A. Gray

Rumex patientia L.

Rumex triangulivalvis Meisn.

Carpetweed Family

Green Carpetweed

Pink Family

Field Chickweed

Common Mouse-Ear Chickweed

Nodding Chickweed

Maltese Cross

Rock Stitchwort

Bluntnot Sandwort

Giant Chickweed

Sleepy Silene

Bladder Campion

Longleaf Starwort

Common Chickweed

Smartweed Family

Fagopyrum

Leathery Knotweed

Longroot Smartweed

Prostate Knotweed

Fringed Black Bindweed

Black Bindweed

Douglas' Knotweed

Marshpepper Knotweed

Curlytop Knotweed

Spotted Ladysthumb

Dotted Smartweed

Bushy Knotweed

Arrowleaf Tearthumb

Climbing False Buckwheat

Common Sheep Sorrel

Curly Dock

Dooryard Dock

Golden Dock

Bitter Dock

Greater Water Dock

Patience Dock

Willow-leaved dock

FAMILY ELATINACEAE

Elatine minima (Nutt.) Fischer & C.A. Mey.
Elatine triandra Schkuhr

FAMILY GUTTIFERAE

Hypericum majus (A. Gray) Britton
Triadenum fraseri (Spach) Gleason

FAMILY TILIACEAE

Tilia americana L.

FAMILY SARRACENIACEAE

Sarracenia purpurea L.

FAMILY DROSERACEAE

Drosera rotundifolia L.

FAMILY CISTACEAE

Lechea intermedia Legg.

FAMILY VIOLACEAE

Viola adunca Sm.
Viola blanda Brainerd
Viola canadensis L. var *rugulosa*
Viola conspersa Reichb.
Viola cucullata Aiton
Viola macloskeyi F.E. Lloyd ssp *pallens*
Viola novae-angliae House
Viola pubescens Aiton
Viola renifolia A. Gray
Viola selkirkii Pursh ex Goldie
Viola sororia Willd.

FAMILY CUCURBITACEAE

Echinocystis lobata (Michx.) Torr. & A. Gray

FAMILY SALICACEAE

Populus alba L.
Populus balsamifera L.
Populus grandidentata Michx.
Populus tremuloides Michx.
Salix amygdaloides Anderss.
Salix bebbiana Sarg.
Salix candida Flüegge ex Willd.
Salix discolor Muhlenb.

Waterwort Family

Small Waterwort
Threestamen Waterwort

St. John's-wort Family

Large St. Johnswort
Fraser's Marsh St. Johnswort

Linden Family

American Basswood

Pitcher-plant Family

Purple Pitcherplant

Sundew Family

Roundleaf Sundew

Rock-rose Family

Largepod Pinweed

Violet Family

Hookedspur Violet
Sweet White Violet
Creepingroot Violet
American Dog Violet
Marsh Blue Violet
Smooth White Violet
New England Blue Violet
Downy Yellow Violet
White Violet
Selkirk's Violet
Common Blue Violet

Gourd Family

Wild Cucumber

Willow Family

White Poplar
Balsam Poplar
Bigtooth Aspen
Quaking Aspen
Peachleaf Willow
Bebb Willow
Sageleaf Willow
Pussy Willow

<i>Salix eriocephala</i> Michx.	Missouri River Willow
<i>Salix exigua</i> Nutt.	Sandbar Willow
* <i>Salix fragilis</i> L.	Fragile Willow
<i>Salix humilis</i> Marshall	Prairie Willow
<i>Salix lucida</i> Muhlenb.	Shining Willow
<i>Salix pedicellaris</i> Pursh	Bog Willow
<i>Salix petiolaris</i> Anderss.	Meadow Willow
<i>Salix planifolia</i> Pursh	Diamondleaf Willow
<i>Salix pyrifolia</i> Anderss.	Balsam Willow
<i>Salix serissima</i> (L.H. Bailey) Fern.	Autumn Willow

FAMILY BRASSICACEAE

<i>Arabis divaricarpa</i> A. Nelson	Spreading Rockcress
<i>Barbarea vulgaris</i> R. Br.	Wintercress
<i>Berteroia incana</i> (L.) DC.	Hoary Alyssum
<i>Brassica kaber</i> (DC.) L.C. Wheeler	Charlock Mustard
* <i>Capsella bursa-pastoris</i> (L.) Medik.	Shepherd's Purse
<i>Cardamine parviflora</i> L. var <i>arenicola</i>	Sand Bittercress
<i>Cardamine pensylvanica</i> Muhlenb. ex Willd.	Pennsylvania Bittercress
<i>Erysimum cheiranthoides</i> L.	Wormseed Wallflower
<i>Lepidium densiflorum</i> Schrad.	Common Pepperweed
<i>Rorippa islandica</i> (Oeder) Borbás	Northern Marsh Yellowcress
<i>Rorippa palustris</i> (L.) Besser ssp <i>fernaldiana</i>	Fernald's Yellowcress
* <i>Sinapis arvensis</i> L.	Wild Mustard
<i>Subularia aquatica</i> L.	Water Awlwort
<i>Thlaspi arvense</i> L.	Field Pennycress

FAMILY ERICACEAE

<i>Arctostaphylos uva-ursi</i> (L.) Spreng.	Kinnikinnick
<i>Chamaedaphne calyculata</i> (L.) Moench	Leatherleaf
<i>Epigaea repens</i> L.	Trailing Arbutus
<i>Gaultheria hispidula</i> (L.) Muhlenb. ex Bigelow	Creeping Snowberry
<i>Gaultheria procumbens</i> L.	Eastern Teaberry
<i>Kalmia polifolia</i> Wangenb.	Bog Laurel
<i>Ledum groenlandicum</i> Oeder	Bog Labrador Tea
<i>Vaccinium angustifolium</i> Aiton	Lowbush Blueberry
<i>Vaccinium caespitosum</i> Michx.	Dwarf Bilberry
<i>Vaccinium macrocarpon</i> Aiton	Cranberry
<i>Vaccinium myrtilloides</i> Michx.	Velvetleaf Huckleberry
<i>Vaccinium oxycoccus</i> L.	Small Cranberry
<i>Vaccinium vitis-idaea</i> L.	Lingonberry

Mustard Family

<i>Arabis divaricarpa</i> A. Nelson	Spreading Rockcress
<i>Barbarea vulgaris</i> R. Br.	Wintercress
<i>Berteroia incana</i> (L.) DC.	Hoary Alyssum
<i>Brassica kaber</i> (DC.) L.C. Wheeler	Charlock Mustard
* <i>Capsella bursa-pastoris</i> (L.) Medik.	Shepherd's Purse
<i>Cardamine parviflora</i> L. var <i>arenicola</i>	Sand Bittercress
<i>Cardamine pensylvanica</i> Muhlenb. ex Willd.	Pennsylvania Bittercress
<i>Erysimum cheiranthoides</i> L.	Wormseed Wallflower
<i>Lepidium densiflorum</i> Schrad.	Common Pepperweed
<i>Rorippa islandica</i> (Oeder) Borbás	Northern Marsh Yellowcress
<i>Rorippa palustris</i> (L.) Besser ssp <i>fernaldiana</i>	Fernald's Yellowcress
* <i>Sinapis arvensis</i> L.	Wild Mustard
<i>Subularia aquatica</i> L.	Water Awlwort
<i>Thlaspi arvense</i> L.	Field Pennycress

Heath Family

<i>Arctostaphylos uva-ursi</i> (L.) Spreng.	Kinnikinnick
<i>Chamaedaphne calyculata</i> (L.) Moench	Leatherleaf
<i>Epigaea repens</i> L.	Trailing Arbutus
<i>Gaultheria hispidula</i> (L.) Muhlenb. ex Bigelow	Creeping Snowberry
<i>Gaultheria procumbens</i> L.	Eastern Teaberry
<i>Kalmia polifolia</i> Wangenb.	Bog Laurel
<i>Ledum groenlandicum</i> Oeder	Bog Labrador Tea
<i>Vaccinium angustifolium</i> Aiton	Lowbush Blueberry
<i>Vaccinium caespitosum</i> Michx.	Dwarf Bilberry
<i>Vaccinium macrocarpon</i> Aiton	Cranberry
<i>Vaccinium myrtilloides</i> Michx.	Velvetleaf Huckleberry
<i>Vaccinium oxycoccus</i> L.	Small Cranberry
<i>Vaccinium vitis-idaea</i> L.	Lingonberry

FAMILY PYROLACEAE

Chimaphila umbellata (L.) Barton
Moneses uniflora (L.) A. Gray
Orthilia secunda (L.) House
Pyrola americana Sweet
Pyrola asarifolia Michx.
Pyrola chlorantha Sw.
Pyrola elliptica Nutt.

Wintergreen Family

Pipsissewa
Single Delight
Sidebells Wintergreen
American Wintergreen
Liverleaf Wintergreen
Green Flowered Wintergreen
Waxflower Shinleaf

FAMILY MONOTROPACEAE

Monotropa hypopithys L.
Monotropa uniflora L.

Indian Pipe Family

Pinesap
Indianpipe

FAMILY PRIMULACEAE

Lysimachia ciliata L.
Lysimachia terrestris (L.) B.S.P.
Lysimachia thyrsiflora L.
Trientalis borealis Raf.

Primrose Family

Fringed Loosestrife
Earth Loosestrife
Tufted Loosestrife
American Starflower

FAMILY GROSSULARIACEAE

Ribes americanum Miller
Ribes glandulosum Grauer
Ribes hirtellum Michx.
Ribes hudsonianum Richardson
Ribes lacustre (Pers.) Poir.
Ribes oxyacanthoides L.
Ribes triste Pall.

Gooseberry or Currant Family

American Black Currant
Skunk Currant
Hairystem Gooseberry
Northern Black Currant
Prickly Currant
Canadian Gooseberry
Red Currant

FAMILY CRASSULACEAE

Crassula aquatica (L.) Schoenl.
Sedum acre L.
Sedum hispanicum L.
Sedum telephioides Michx.
Sempervivum tectorum L.

Stonecrop or Orpine Family

Water Pygmyweed
Goldmoss Stonecrop
Spanish Stonecrop
Allegheny Stonecrop
Common Houseleek

FAMILY SAXIFRAGACEAE

Heuchera richardsonii R. Br.
Mitella nuda L.
Parnassia palustris L.
* *Saxifraga pensylvanica* L.
Saxifraga virginensis Michx.

Saxifrage Family

Richardson's Alumroot
Naked Miterwort
Northern Grass Parnassus
Eastern Swamp Saxifrage
Alaska Saxifrage

FAMILY ROSACEAE

<i>Agrimonia gryposepala</i> Wallr.	Tall Hairy Agrimony
<i>Agrimonia striata</i> Michx.	Roadside Agrimony
<i>Amelanchier bartramiana</i> (Tausch) M. Roem.	Oblongfruit Serviceberry
<i>Amelanchier humilis</i> Wieg	Low Serviceberry
<i>Amelanchier sanguinea</i> (Pursh) DC.	Roundleaf Serviceberry
<i>Amelanchier stolonifera</i> Wiegand	Running Serviceberry
<i>Aronia melanocarpa</i> (Michx.) Elliott	Black Chokeberry
<i>Comarum palustre</i> (L.) Scop.	Purple Marshlocks
<i>Crataegus chrysocarpa</i> Ashe	Fireberry Hawthorn
<i>Fragaria vesca</i> L.	Woodland Strawberry
<i>Fragaria virginiana</i> Miller	Virginia Strawberry
<i>Geum aleppicum</i> Jacq.	Yellow Avens
<i>Geum macrophyllum</i> Willd.	Largeleaf Avens
<i>Geum rivale</i> L.	Purple Avens
<i>Potentilla argentea</i> L.	Silver Cinquefoil
<i>Potentilla arguta</i> Pursh	Tall Cinquefoil
<i>Potentilla norvegica</i> L.	Norwegian Cinquefoil
<i>Potentilla recta</i> L.	Sulphur Cinquefoil
<i>Potentilla simplex</i> Michx.	Common Cinquefoil
<i>Prunus americana</i> Pursh	American Plum
<i>Prunus nigra</i> Aiton	Canadian Plum
<i>Prunus pensylvanica</i> L. f.	Pin Cherry
<i>Prunus pumila</i> L.	Sand Cherry
<i>Prunus serotina</i> Ehrh.	Black Cherry
<i>Prunus virginiana</i> L.	Common Chokecherry
<i>Rosa acicularis</i> Lindl.	Prickly Rose
<i>Rosa blanda</i> Aiton	Smooth Rose
<i>Rubus acaulis</i> Michx.	Northern Dwarf Raspberry
<i>Rubus allegheniensis</i> Porter	Allegheny Blackberry
<i>Rubus canadensis</i> L.	Smooth Blackberry
<i>Rubus flagellaris</i> Willd.	Northern Dewberry
<i>Rubus idaeus</i> L. ssp <i>strigosus</i>	Grayleaf Red Raspberry
<i>Rubus occidentalis</i> L.	Black Raspberry
<i>Rubus parviflorus</i> Nutt.	Thimbleberry
<i>Rubus pensylvanicus</i> Poir.	Pennsylvania Blackberry
<i>Rubus pubescens</i> Raf.	Dwarf Red Raspberry
<i>Sibbaldiopsis tridentata</i> Sol. ex Aiton	Shrubby Fivefingers

Rose Family

Sorbus americana Marshall
Sorbus decora (Sarg.) C.K. Schneid.
Spiraea alba Du Roi

American Mountain Ash
 Northern Mountain Ash
 White Meadowsweet

FAMILY FABACEAE

Amphicarpaea bracteata (L.) Fern.
Astragalus canadensis L.
Caragana arborescens Lam.
Coronilla varia L.
Desmodium canadense (L.) DC.
Glycyrrhiza lepidota Nutt. ex Pursh
Lathyrus ochroleucus Hook.
Lathyrus palustris L.
Lathyrus venosus Muhlenb. ex Willd.
Medicago lupulina L.
Medicago sativa L.
Melilotus alba Medik.
Melilotus officinalis (L.) Pall.
Trifolium arvense L.
Trifolium campestre Schreb.
Trifolium hybridum L.
Trifolium pratense L.
Trifolium repens L.
Vicia americana Muhlenb. ex Willd.

American Hogpeanut
 Canadian Milkvetch
 Siberian Peashrub
 Crown Vetch
 Showy Ticktrefoil
 American Licorice
 Cream Peavine
 Slender Stem Peavine
 Veiny Peavine
 Black Medick
 Alfalfa
 White Sweetclover
 Yellow Sweetclover
 Rabbitfoot Clover
 Field Clover
 Alsike Clover
 Red Clover
 White Clover
 American Vetch

FAMILY ELAEAGNACEAE

Shepherdia canadensis (L.) Nutt.

Oleaster Family
 Russet Buffaloberry

FAMILY HALORAGACEAE

* *Myriophyllum alterniflorum* DC.
Myriophyllum farwellii Morong
Myriophyllum sibiricum Kom.
Myriophyllum tenellum Bigelow
Myriophyllum verticillatum L.

Water-milfoil Family
 Alternate Flower Watermilfoil
 Farwell's Watermilfoil
 Shortspike Watermilfoil
 Slender Watermilfoil
 Whorl Leaf Watermilfoil

FAMILY LYTHRACEAE

Lythrum salicaria L.

Loosestrife Family
 Purple Loosestrife

FAMILY ONAGRACEAE

Chamerion angustifolium L.
Circaeaa alpina L.
Circaeaa lutetiana L. ssp *canadensis*
Epilobium ciliatum Raf. ssp *glandulosum*

Evening-primrose Family
 Fireweed
 Small Enchanter's Nightshade
 Broadleaf Enchanter's Nightshade
 Glandular Willowherb

<i>Epilobium coloratum</i> Biehler	Purpleleaf Willowherb
<i>Epilobium leptophyllum</i> Raf.	Bog Willowherb
<i>Epilobium palustre</i> L.	Marsh Willowherb
<i>Oenothera biennis</i> L.	Common Evening Primrose
<i>Oenothera parviflora</i> L.	Northern Evening Primrose
<i>Oenothera perennis</i> L.	Small Evening Primrose

FAMILY CORNACEAE

<i>Cornus alternifolia</i> L. f.
<i>Cornus canadensis</i> L.
<i>Cornus racemosa</i> Lam.
<i>Cornus rugosa</i> Lam.
<i>Cornus sericea</i> L. ssp <i>sericea</i>

Dogwood Family

Alternate-leaf Dogwood
Bunchberry
Gray Dogwood
Roundleaf Dogwood
Redosier Dogwood

FAMILY SANTALACEAE

<i>Comandra umbellata</i> (L.) Nutt.

Sandalwood Family

Bastard Toadflax

FAMILY VISCACEAE

* <i>Arceuthobium pusillum</i> Peck

Christmas-mistletoe Family

Eastern Dwarf Mistletoe

FAMILY CELASTRACEAE

<i>Celastrus scandens</i> L.

Staff-tree Family

American Bittersweet

FAMILY AQUIFOLIACEAE

<i>Ilex verticillata</i> (L.) A. Gray

Holly Family

Common Winterberry

FAMILY EUPHORBIACEAE

<i>Chamaesyce glyptosperma</i> (Engelm.) Small
--

Spurge Family

Ribseed Sandmat

FAMILY RHAMNACEAE

<i>Rhamnus alnifolia</i> L'Hér.

Buckthorn Family

Alder Leaf Buckthorn

FAMILY VITACEAE

<i>Parthenocissus quinquefolia</i> (L.) Planchon ex DC.

Grape or Vine Family

Virginia Creeper

<i>Parthenocissus vitacea</i> (A. Kern.) Fritsch
--

Woodbine

<i>Vitis riparia</i> Michx.

Riverbank Grape

FAMILY ACERACEAE

<i>Acer negundo</i> L.

Maple Family

Boxelder

<i>Acer rubrum</i> L.

Red Maple

<i>Acer saccharinum</i> L.

Silver Maple

<i>Acer spicatum</i> Lam.

Mountain Maple

FAMILY ANACARDIACEAE

<i>Rhus glabra</i> L.

Sumac or Cashew Family

Smooth Sumac

<i>Rhus hirta</i> (L.) Sudworth

Staghorn Sumac

<i>Toxicodendron radicans</i> (L.) Kuntze	Eastern Poison Ivy
FAMILY OXALIDACEAE	Wood Sorrel Family
<i>Oxalis stricta</i> L.	Common Yellow Oxalis
FAMILY GERANIACEAE	Geranium Family
<i>Geranium bicknellii</i> Britton	Bicknell's Cranesbill
FAMILY BALSAMINACEAE	Touch-me-not Family
<i>Impatiens capensis</i> Meerb.	Jewelweed
FAMILY ARALIACEAE	Ginseng Family
<i>Aralia hispida</i> Vent.	Bristly Sarsaparilla
<i>Aralia nudicaulis</i> L.	Wild Sarsaparilla
<i>Aralia racemosa</i> L.	American Spikenard
FAMILY APIACEAE	Carrot or Parsley Family
<i>Aegopodium podagraria</i> L.	Bishop's Goutweed
<i>Cicuta bulbifera</i> L.	Bulblet Bearing Water Hemlock
<i>Cicuta maculata</i> L.	Spotted Water Hemlock
<i>Heracleum maximum</i> Bartr.	Common Cowparsnip
<i>Osmorhiza claytonii</i> (Michx.) C.B. Clarke	Clayton's Sweetroot
<i>Osmorhiza longistylis</i> (Torr.) DC.	Longstyle Sweetroot
<i>Pastinaca sativa</i> L.	Wild Parsnip
<i>Sanicula marilandica</i> L.	Maryland Sanicle
<i>Sium suave</i> Walter	Hemlock Waterparsnip
<i>Zizia aptera</i> (A. Gray) Fern.	Meadow Zizia
FAMILY GENTIANACEAE	Gentian Family
<i>Gentiana andrewsii</i> Griseb.	Closed Bottle Gentian
<i>Gentianopsis crinita</i> (Froel.) Ma	Greater Fringed Gentian
<i>Halenia deflexa</i> (Sm.) Griseb.	American Spurred Gentian
FAMILY APOCYNACEAE	Dogbane Family
<i>Apocynum androsaemifolium</i> L.	Spreading Dogbane
<i>Apocynum cannabinum</i> L.	Indianhemp
FAMILY ASCLEPIADACEAE	Milkweed Family
<i>Asclepias incarnata</i> L.	Swamp Milkweed
<i>Asclepias syriaca</i> L.	Common Milkweed
FAMILY SOLANACEAE	Potato or Nightshade Family
<i>Physalis pubescens</i> L.	Husk Tomato
<i>Solanum dulcamara</i> L.	Climbing Nightshade

FAMILY CONVOLVULACEAE

Calystegia spithamea (L.) Pursh
Convolvulus sepium L.
Cuscuta cephalanthi Engelm.
Cuscuta gronovii Willd. ex Schultz

Morning-glory Family

Low False Bindweed
Hedge False Bindweed
Buttonbush Dodder
Scaldweed

FAMILY MENYANTHACEAE

Menyanthes trifoliata L.

Buckbean Family

Common Buckbean

FAMILY POLEMONIACEAE

* *Collomia linearis* Nutt.
Phlox pilosa L.

Phlox or Polemonium Family

Tiny Trumpet
Downy Phlox

FAMILY BORAGINACEAE

Cynoglossum virginianum L. var *boreale*
Hackelia deflexa (Wahlenb.) Opiz
Mertensia paniculata (Aiton) G. Don
Myosotis scorpioides L.

Borage Family

Wild Comfrey
Nodding Stickseed
Tall Bluebells
True Forget-Me-Not

FAMILY VERBENACEAE

Verbena hastata L.

Vervain Family

Swamp Verbena

FAMILY LAMIACEAE

Agastache foeniculum (Pursh) Kuntze
Clinopodium vulgare L.
Dracocephalum parviflorum Nutt.
* *Glechoma hederacea* L.
Lycopus americanus Muhlenb. ex Bartram
Lycopus uniflorus Michx.
Mentha arvensis L.
Mentha spicata L.
Monarda didyma L.
* *Physostegia virginiana* (L.) Benth
Prunella vulgaris L.
Scutellaria galericulata L.
Scutellaria lateriflora L.
Stachys palustris L.
Stachys tenuifolia Willd.

Mint Family

Blue Giant Hyssop
Wild Basil
American Dragonhead
Ground Ivy
American Water-horehound
Northern Bugleweed
Wild Mint
Spearmint
Scarlet Beebalm
Obedient Plant
Common Selfheal
Marsh Skullcap
Blue Skullcap
Marsh Hedgenettle
Smooth Hedgenettle

FAMILY CALLITRICHACEAE

Callitricha palustris L.

Water-starwort Family

Vernal Waterstarwort

FAMILY PLANTAGINACEAE

Littorella uniflora (L.) Aschers.

Plantain Family

American Shore-plantain

Plantago major L.

Common Plantain

Plantago rugelii Decne.

Blackseed Plantain

FAMILY OLEACEAE

Fraxinus nigra Marshall

Olive Family

Fraxinus pennsylvanica Marshall

Black Ash

Syringa vulgaris L.

Green Ash

FAMILY SCROPHULARIACEAE

Agalinis tenuifolia (Vahl) Raf.

Figwort Family

Gratiola neglecta Torr.

Slenderleaf False Foxglove

Linaria vulgaris Miller

Clammy Hedge Hyssop

Melampyrum lineare Desr.

Narrowleaf Cow Wheat

Mimulus ringens L.

Ringen Monkeyflower

Pedicularis canadensis L.

Canadian Lousewort

Penstemon gracilis Nutt.

Lilac Penstemon

Scrophularia marilandica L.

Carpenter's-square Figwort

Verbascum thapsus L.

Common Mullein

Veronica arvensis L.

Corn Speedwell

Veronica peregrina L.

Neckweed

Veronica scutellata L.

Skullcap Speedwell

Veronica serpyllifolia L.

Thyme-leaved Speedwell

FAMILY LENTIBULARIACEAE

Utricularia intermedia Hayne

Bladderwort Family

Utricularia macrorhiza Le Conte

Flatleaf Bladderwort

Common Bladderwort

FAMILY CAMPANULACEAE

Campanula aparinoides Pursh

Bluebell or Bellflower Family

Campanula rapunculoides L.

Marsh Bellflower

Campanula rotundifolia L.

Rampion Bellflower

Lobelia dortmanna L.

Bluebell Bellflower

* *Lobelia inflata L.*

Dortmann's cardinalflower

Indian Tobacco

FAMILY RUBIACEAE

Galium asprellum Michx.

Madder Family

Galium boreale L.

Rough Bedstraw

* *Galium labradoricum (Wiegand) Wiegand*

Northern Bedstraw

* *Galium mollugo L.*

Northern Bog Bedstraw

Galium obtusum Bigelow

White Bedstraw

Galium trifidum L.

Bluntleaf Bedstraw

Galium triflorum Michx.

Three Petal Bedstraw

Houstonia longifolia Gaertn.

Fragrant Bedstraw

Longleaf Summer Bluet

FAMILY CAPRIFOLIACEAE

Diervilla lonicera Miller
Linnaea borealis L.
Lonicera caerulea L.
Lonicera canadensis Bartram
Lonicera dioica L.
Lonicera hirsuta Eaton
Lonicera morrowii A. Gray
Lonicera oblongifolia (Goldie) Hook.
Lonicera tatarica L.
Lonicera villosa (Michx.) Roem. & Schult.
Sambucus racemosa L. var *racemosa*
Symporicarpos albus (L.) S.F. Blake
Viburnum lentago L.
Viburnum opulus Ait.
Viburnum rafinesquianum Schult.

Honeysuckle Family

Northern Bush Honeysuckle
Twinflower
Sweetberry Honeysuckle
American Fly Honeysuckle
Limber Honeysuckle
Hairy Honeysuckle
Morrow's Honeysuckle
Swamp Fly Honeysuckle
Tartarian Honeysuckle
Mountain Fly Honeysuckle
Elderberry
Common Snowberry
Nannyberry
American Cranberrybush
Downy Arrowwood

FAMILY ASTERACEAE

Achillea millefolium L.
Ambrosia artemisiifolia L.
Ambrosia psilostachya DC.
Anaphalis margaritacea (L.) Benth. & Hook. f. ex C.B. Clarke
Antennaria neglecta Greene
Antennaria neodioica Greene
Antennaria parlinii Fern.
Arctium minus (Hill) Bernh.
Aster borealis (Torr. & A. Gray) Prov.
Aster lanceolatus Willd. ssp *lanceolatus*
Aster lateriflorus (L.) Britton
Aster macrophyllus L.
Aster puniceus L.
Balsamita major Desf.
Bidens cernua L.
Bidens frondosa L.
Bidens tripartita L.
Cirsium arvense (L.) Scop.
Cirsium muticum Michx.
Cirsium vulgare (Savi) Ten.
Conyza canadensis (L.) Cronquist
Doellingeria umbellata (P. Mill.) Nees var *umbellata*

Composite or Aster Family

Common Yarrow
Annual Ragweed
Cuman Ragweed
Western Pearlyeverlasting
Field Pussytoes
Pussytoes
Parlin's Pussytoes
Lesser Burdock
Rush Aster
White Panicle Aster
Calico Aster
Bigleaf Aster
Purplestem Aster
Cost Mary
Nodding Beggartick
Devil's Beggartick
Threelobe Beggarticks
Canada Thistle
Swamp Thistle
Bull Thistle
Canadian Horseweed
Parasol Whitetop

<i>Doellingeria umbellata</i> var. <i>pubens</i> (P. Mill.) Nees var Parasol Whitetop <i>pubens</i>	
<i>Erigeron glabellus</i> Nutt.	Streamside Fleabane
<i>Erigeron philadelphicus</i> L.	Philadelphia Fleabane
<i>Erigeron strigosus</i> Muhlenb. ex Willd.	Prairie Fleabane
<i>Eupatorium maculatum</i> L.	Spotted Joe Pye Weed
<i>Eupatorium perfoliatum</i> L.	Common Boneset
<i>Eupatorium purpureum</i> L. var <i>purpureum</i>	Sweetscented Joe Pye Weed
<i>Euthamia graminifolia</i> (L.) Nutt.	Flattop Goldentop
<i>Galinsoga quadriradiata</i> Ruiz, Lopez & Pavón	Shaggy Soldier
<i>Gnaphalium uliginosum</i> L.	Low Cudweed
<i>Helianthus giganteus</i> L.	Giant Sunflower
<i>Helianthus tuberosus</i> L.	Jerusalem Artichoke
<i>Hieracium aurantiacum</i> L.	Orange Hawkweed
<i>Hieracium canadense</i> Michx.	Canadian Hawkweed
<i>Hieracium kalmii</i> L.	Kalm's Hawkweed
<i>Hieracium piloselloides</i> Vill.	Tall Hawkweed
<i>Hieracium scabrum</i> Michx.	Rough Hawkweed
<i>Hieracium umbellatum</i> L.	Narrowleaf Hawkweed
* <i>Helopsis helianthoides</i> (L.) Sweet	Smooth Oxeye
<i>Lactuca biennis</i> (Moench) Fern.	Tall Blue Lettuce
<i>Lactuca canadensis</i> L.	Canada Lettuce
<i>Leucanthemum vulgare</i> Lam.	Oxeye Daisy
<i>Matricaria discoidea</i> DC.	Disc Mayweed
<i>Matricaria matricarioides</i> (Less.) Porter	Pineapple Weed
<i>Megalodonta beckii</i> (Torr. ex Spreng) Greene	Aquatic Beggartick
<i>Petasites frigidus</i> (L.) Fr. var <i>palmatus</i>	Arctic Sweet Coltsfoot
<i>Petasites sagittatus</i> (Banks ex Pursh) A. Gray	Arrowleaf Sweet Coltsfoot
<i>Prenanthes alba</i> L.	White Rattlesnakeroot
<i>Rudbeckia hirta</i> L.	Blackeyed Susan
<i>Senecio aureus</i> L.	Golden Ragwort
* <i>Senecio pauperulus</i> Michx.	Balsam Groundsel
<i>Solidago canadensis</i> L.	Canada Goldenrod
<i>Solidago gigantea</i> Aiton	Giant Goldenrod
<i>Solidago hispida</i> Muhlenb.	Hairy Goldenrod
<i>Solidago missouriensis</i> Nutt.	Missouri Goldenrod
<i>Solidago nemoralis</i> Aiton	Dyersweed Goldenrod
<i>Solidago uliginosa</i> Nutt.	Bog Goldenrod
<i>Sonchus arvensis</i> L.	Field Sowthistle
<i>Sonchus asper</i> (L.) Hill	Spiny Sowthistle
<i>Sympyotrichium ericoides</i> L. var <i>ericoides</i>	Heath Aster

Sympyotrichum ciliolatum Lindl.
Taraxacum officinale G. Weber
Tragopogon dubius Scop.

Lindley's aster
Common Dandelion
Goat's Beard

FAMILY ALISMATACEAE

Alisma subcordatum Raf.
Alisma triviale Pursh
Sagittaria cristata Engelm.
Sagittaria cuneata E. Sheld.
Sagittaria graminea Michx.
Sagittaria latifolia Willd.
Sagittaria rigida Pursh

Water-plantain Family

American Water Plantain
Northern Water Plantain
Crested Arrowhead
Arumleaf Arrowhead
Grassy Arrowhead
Broadleaf Arrowhead
Sessilefruit Arrowhead

FAMILY HYDROCHARITACEAE

Elodea canadensis Rich. ex Michx.
Vallisneria americana Michx.

Frog's-bit Family

Canadian Waterweed
American Eelgrass

FAMILY SCHEUCHZERIACEAE

Scheuchzeria palustris L. ssp *americana*

Scheuchzeria Family

Rannoch-rush

FAMILY JUNCAGINACEAE

Triglochin maritimum L.
Triglochin palustre L.

Arrow-grass Family

Seaside Arrowgrass
Marsh Arrowgrass

FAMILY POTAMOGETONACEAE

Potamogeton amplifolius Tuckerm.
Potamogeton epihydrus Raf.
Potamogeton filiformis Pers. ssp *filiformis*
Potamogeton foliosus Raf.
Potamogeton friesii Rupr.
Potamogeton gramineus L.
Potamogeton natans L.
Potamogeton pectinatus L.
Potamogeton pusillus L.
Potamogeton richardsonii (A. Bennett) Rydb.
Potamogeton robbinsii Oakes
Potamogeton spirillus Tuckerm.
Potamogeton vaseyi Robb.
Potamogeton zosteriformis Fern.

Pondweed Family

Largeleaf Pondweed
Ribbonleaf Pondweed
Fineleaf Pondweed
Leafy Pondweed
Fries' Pondweed
Variableleaf Pondweed
Floating Pondweed
Sago Pondweed
Small Pondweed
Richardson's Pondweed
Robbin's Pondweed
Spiral Pondweed
Vasey's Pondweed
Flatstem Pondweed

FAMILY NAJADACEAE

Najas flexilis (Willd.) Rost. & W. Schmidt

Water-nymph or Naiad Family

Nodding Water Nymph

FAMILY ARACEAE

Acorus americanus (Raf.) Raf.

Arum Family

Sweetflag

Arisaema triphyllum (L.) Schott

Jack in the Pulpit

Calla palustris L.

Water Arum

FAMILY LEMNACEAE

Lemna minor L.

Duckweed Family

Lemna trisulca L.

Common Duckweed

Spirodela polyrhiza (L.) Schleid.

Star Duckweed

Giant Duckweed

FAMILY ERIOCAULACEAE

Eriocaulon aquaticum (Hill) Druce

Pipewort Family

Sevenangle Pipewort

FAMILY JUNCACEAE

Juncus balticus Willd.

Rush Family

Juncus brevicaudatus (Engelm.) Fern.

Baltic Rush

Juncus bufonius L.

Narrow Panicle Rush

Juncus dudleyi Wiegelb

Toad Rush

Juncus effusus L.

Dudley's Rush

Juncus filiformis L.

Common Rush

Juncus graminei Oakes & Tuckerm.

Thread Rush

Juncus interior Wiegand

Greene's Rush

Juncus nodosus L.

Inland Rush

Juncus pelocarpus E. Mey.

Jointed Rush

Juncus tenuis Willd.

Brownfruit Rush

Luzula acuminata Raf.

Poverty Rush

Luzula campestris (L.) DC.

Hairy Wood Rush

Field Wood Rush

FAMILY CYPERACEAE

Bolboschoenus fluviatilis (Torr.) M.T. Strong

Sedge Family

Carex adusta Boott

River Bulrush

Carex aenea Fern.

Lesser Brown Sedge

Carex aquatilis Wahlenb.

Bronze Sedge

Carex arcta Boott

Water Sedge

Carex arctata Boott

Bear Sedge

* *Carex assiniboinensis* W. Boott

Drooping Woodland Sedge

Carex atherodes Spreng.

Assiniboa Sedge

Carex aurea Nutt.

Slough Sedge

Carex bebbii (L.H. Bailey) Olney ex Fern.

Golden Sedge

Carex brevior (Dewey) Mack. ex Lunell

Bebb's Sedge

Carex brunnescens (Pers.) Poir. ex Lam.

Fescue Sedge

Carex canescens L.

Brownish Sedge

Carex castanea Wahlenb.

Silvery Sedge

Carex chordorrhiza Ehrh. ex L. f.

Chestnut Sedge

Carex crawfordii Fern.

Creeping Sedge

Crawford's Sedge

<i>Carex crinita</i> Lam.	Fringed Sedge
<i>Carex cristatella</i> Britton	Crested Sedge
<i>Carex cryptolepis</i> Mack.	Northeastern Sedge
<i>Carex deflexa</i> Hornem.	Northern Sedge
<i>Carex deweyana</i> Schwein.	Dewey Sedge
<i>Carex diandra</i> Schrank	Lesser Panicle Sedge
<i>Carex disperma</i> Dewey	Softleaf Sedge
<i>Carex echinata</i> Murray ssp <i>echinata</i>	Prickly Sedge
<i>Carex gracillima</i> Schwein.	Graceful Sedge
* <i>Carex gynocrates</i> Wormsk. ex Drejer	Northern Bog Sedge
* <i>Carex haydenii</i> Dewey	Hayden's Sedge
<i>Carex hirta</i> L.	Hammer Sedge
<i>Carex houghtoniana</i> Torr. ex Dewey	Houghton's Sedge
<i>Carex interior</i> L.H. Bailey	Inland Sedge
<i>Carex intumescens</i> Rudge	Greater Bladder Sedge
<i>Carex lacustris</i> Willd.	Hairy Sedge
<i>Carex lasiocarpa</i> Ehrh.	Woollyfruit Sedge
<i>Carex lenticularis</i> Michx.	Tufted Sedge
<i>Carex leptalea</i> Wahlenb.	Bristlystalked Sedge
<i>Carex leptonervia</i> (Fern.) Fern.	Nerveless Woodland Sedge
<i>Carex limosa</i> L.	Mud Sedge
<i>Carex livida</i> (Wahlenb.) Willd.	Livid Sedge
<i>Carex magellanica</i> Lam. ssp <i>magellanica</i>	Little Sedge
<i>Carex merritt-fernaldii</i> Mack.	Merritt Fernald's Sedge
<i>Carex muricata</i> L.	Rough Sedge
<i>Carex oligosperma</i> Michx.	Fewseed Sedge
<i>Carex pauciflora</i> Lightf.	Star Sedge
<i>Carex peckii</i> Howe	Peck's Sedge
<i>Carex pedunculata</i> Muhlenb. ex Willd.	Longstalk Sedge
<i>Carex pellita</i> Muhl ex Willd.	Woolly Sedge
<i>Carex pensylvanica</i> Lam.	Pennsylvania Sedge
<i>Carex projecta</i> Mack.	Necklace Sedge
<i>Carex retrorsa</i> Schwein.	Knotsheath Sedge
<i>Carex rosea</i> Schkuhr ex Willd.	Rosy Sedge
<i>Carex rostrata</i> Stokes	Beaked Sedge
<i>Carex scoparia</i> Schkuhr ex Willd.	Broom Sedge
* <i>Carex sprengelii</i> Dewey ex Spreng.	Sprengel's Sedge
<i>Carex stipata</i> Muhlenb. ex Willd.	Owlfruit Sedge
<i>Carex stricta</i> Lam.	Uptight Sedge
<i>Carex sychnocephala</i> J. Carey	Manyhead Sedge
* <i>Carex tenera</i> Dewey	Quill Sedge

<i>Carex tenuiflora</i> Wahlenb.	Sparse Flower Sedge
<i>Carex tonsa</i> (Fern.) Bicknell	Shaved Sedge
<i>Carex trisperma</i> Dewey	Threeseeded Sedge
<i>Carex tuckermanii</i> Dewey	Tuckerman's Sedge
<i>Carex umbellata</i> Schkuhr ex Willd.	Parasol Sedge
<i>Carex vesicaria</i> L.	Blister Sedge
<i>Carex viridula</i> Michx.	Little Green Sedge
<i>Carex vulpinoidea</i> Michx.	Fox Sedge
<i>Cyperus squarrosus</i> L.	Bearded Flatsedge
<i>Cyperus strigosus</i> L.	Strawcolored Flatsedge
<i>Dulichium arundinaceum</i> (L.) Britton	Three-way Sedge
<i>Eleocharis acicularis</i> (L.) Roem. & Schult.	Needle Spikerush
<i>Eleocharis elliptica</i> Kunth	Elliptic Spikerush
<i>Eleocharis obtusa</i> (Willd.) Schult.	Blunt Spikerush
<i>Eleocharis ovata</i> (Roth) Roem. & Schult.	Ovate Spikerush
<i>Eleocharis smallii</i> Britton	Small's Spikerush
<i>Eriophorum angustifolium</i> Honck.	Tall Cottongrass
<i>Eriophorum chamissonis</i> C.A. Mey.	Chamisso's Cottongrass
<i>Eriophorum gracile</i> Koch ex Roth	Slender Cottongrass
<i>Eriophorum tenellum</i> Nutt.	Fewnerved Cottongrass
<i>Eriophorum vaginatum</i> L. var <i>spissum</i>	Tussock Cottongrass
<i>Eriophorum virginicum</i> L.	Tawny Cottongrass
<i>Eriophorum viridi-carinatum</i> (Engelm.) Fern.	Thinleaf Cottonsedge
<i>Fimbristylis autumnalis</i> (L.) Roem. & Schult.	Autumn Sedge
<i>Lipocarpha micrantha</i> (M. Vahl) G.C. Tucker	Smallflower Hemicarpha
<i>Schoenoplectus acutus</i> (Muhl. ex Bigelow) A. & D. Löve var <i>acutus</i>	Hardstem Bulrush
<i>Schoenoplectus heterochaetus</i> (Chase) Soják	Prairie Bulrush
<i>Schoenoplectus subterminalis</i> (Torr.) Soják	Swaying Bulrush
<i>Scirpus atrovirens</i> Willd.	Green Bulrush
<i>Scirpus cyperinus</i> (L.) Kunth	Woolgrass
<i>Scirpus microcarpus</i> C. Presl	Paniced Bulrush
<i>Scirpus validus</i> L.	Softstem Bulrush

FAMILY POACEAE

<i>Agrostis capillaris</i> L.	Colonial Bentgrass
<i>Agrostis gigantea</i> Roth	Redtop
<i>Agrostis hyemalis</i> (Walter) B.S.P.	Winter Bentgrass
<i>Agrostis perennans</i> (Walter) Tuckerm.	Upland Bentgrass
<i>Agrostis scabra</i> Willd.	Rough Bentgrass
<i>Agrostis stolonifera</i> L.	Creeping Bentgrass
<i>Alopecurus aequalis</i> Sobol.	Shortawn Foxtail

Grass Family

Colonial Bentgrass
Redtop
Winter Bentgrass
Upland Bentgrass
Rough Bentgrass
Creeping Bentgrass
Shortawn Foxtail

<i>Alopecurus pratensis L.</i>	Meadow Foxtail
<i>Andropogon gerardii Vitman</i>	Big Bluestem
<i>Avena sativa L.</i>	Oats
<i>Beckmannia syzigachne (Steud.) Fern.</i>	Slough Grass
<i>Brachyelytrum erectum (Schreb.) P. Beauv.</i>	Bearded Shorthusk
<i>Bromus ciliatus L.</i>	Fringed Brome
<i>Bromus inermis Leyss.</i>	Smooth Brome
<i>Calamagrostis canadensis (Michx.) P. Beauv.</i>	Bluejoint
<i>Calamagrostis stricta (Timm) Koeler ssp <i>inxpansa</i></i>	Northern Reedgrass
<i>Cinna latifolia (Trevir. ex Goepp.) Griseb. in Ledeb.</i>	Drooping Woodreed
<i>Dactylis glomerata L.</i>	Orchardgrass
<i>Danthonia spicata (L.) P. Beauv. ex Roem. & Schult.</i>	Poverty Danthonia
<i>Deschampsia caespitosa (L.) P. Beauv.</i>	Tufted Hairgrass
<i>Dichanthelium acuminatum Sw.</i>	Tapered Rosette Grass
<i>Dichanthelium boreale Nash</i>	Northern Panicgrass
<i>Dichanthelium lanuginosum Ell.</i>	Western Panicgrass
<i>Dichanthelium linearifolium Nash</i>	Slimleaf Panicum
<i>Dichanthelium xanthophysum A. Gray</i>	Slender Rosette Grass
<i>Digitaria ischaemum (Schreb. ex Schwein.) Schreb. ex Muhlenb.</i>	Smooth Crabgrass
<i>Echinochloa crusgalli (L.) P. Beauv.</i>	Barnyard Grass
<i>Elymus trachycaulus (Link) Gould in Shinn. ssp <i>trachycaulus</i></i>	Slender Wheatgrass
* <i>Elymus virginicus L.</i>	Virginia Wildrye
<i>Elytrigia repens (L.) Desv. ex B.D. Jackson var <i>repens</i></i>	Quackgrass
<i>Eragrostis hypnoides (Lam.) B.S.P.</i>	Teal Lovegrass
<i>Eragrostis pectinacea (Michx.) Nees ex Steud.</i>	Tufted Lovegrass
<i>Festuca arundinacea Schreb.</i>	Tall Fescue
<i>Festuca ovina L.</i>	Sheep Fescue
<i>Festuca rubra L.</i>	Red Fescue
<i>Glyceria borealis (Nash) Batch.</i>	Northern Mannagrass
<i>Glyceria canadensis (Michx.) Trin.</i>	Rattlesnake Mannagrass
<i>Glyceria grandis S. Watson</i>	American Mannagrass
<i>Glyceria striata (Lam.) A. Hitchc.</i>	Fowl Mannagrass
<i>Hierochloe odorata (L.) P. Beauv.</i>	Sweetgrass
<i>Hordeum jubatum L.</i>	Foxtail Barley
<i>Leersia oryzoides (L.) Sw.</i>	Rice Cutgrass
<i>Lolium perenne L.</i>	Perennial Ryegrass
* <i>Milium effusum L.</i>	American Milletgrass
<i>Muhlenbergia frondosa (Poir. in Lam.) Fern.</i>	Wirestem Muhly
<i>Muhlenbergia glomerata (Willd.) Trin.</i>	Spiked Muhly

<i>Muhlenbergia mexicana</i> (L.) Trin	Mexican Muhly
<i>Muhlenbergia racemosa</i> (Michx.) B.S.P.	Marsh Muhly
<i>Oryzopsis asperifolia</i> Michx.	Roughleaf Ricegrass
<i>Oryzopsis pungens</i> (Torr. ex Spreng.) A. Hitchc.	Mountain Ricegrass
<i>Panicum capillare</i> L.	Witchgrass
<i>Panicum depauperatum</i> Muhlenb.	Starved Panicgrass
<i>Panicum philadelphicum</i> Bernh. ex Trin.	Philadelphia Panicgrass
<i>Panicum virgatum</i> L.	Switchgrass
<i>Phalaris arundinacea</i> L.	Reed Canarygrass
<i>Phleum pratense</i> L.	Timothy
<i>Phragmites australis</i> (Cav.) Trin. ex Steud.	Common Reed
<i>Poa alsodes</i> A. Gray	Grove Bluegrass
<i>Poa annua</i> L.	Annual Bluegrass
<i>Poa compressa</i> L.	Canada Bluegrass
<i>Poa glauca</i> Vahl	Glaucous Bluegrass
<i>Poa interior</i> Rydb.	Inland Bluegrass
<i>Poa palustris</i> L.	Fowl Bluegrass
<i>Poa pratensis</i> L.	Kentucky Bluegrass
<i>Puccinellia distans</i> (Jacq.) Parl.	Weeping Alkaligrass
<i>Schizachne purpurascens</i> (Torr.) Swallen	False Melic
<i>Setaria pumila</i> (Poir.) Schult.	Yellow Bristlegrass
<i>Setaria viridis</i> (L.) P. Beauv.	Green Bristlegrass
<i>Sorghastrum nutans</i> (L.) Nash	Indian Grass
<i>Spartina pectinata</i> Link	Prairie Cordgrass
<i>Sphenopholis intermedia</i> (Rydb.) Rydb.	Slender Wedgescale
<i>Torreyochloa pallida</i> (Torr.) Church	Pale False Mannagrass
<i>Zizania palustris</i> L.	Northern Wild Rice

FAMILY SPARGANIACEAE

<i>Sparganium americanum</i> Nutt.
<i>Sparganium angustifolium</i> Michx.
<i>Sparganium erectum</i> Rydb.
<i>Sparganium eurycarpum</i> Engelm. ex A. Gray
<i>Sparganium fluctuans</i> (Morong) Robinson
<i>Sparganium glomeratum</i> (Laestad.) L. Neum.
<i>Sparganium natans</i> L.

Bur-reed Family

American Burreed
Narrowleaf Burreed
Simplestem Burreed
Broadfruit Burreed
Floating Burreed
Clustered Burreed
Small Burreed

FAMILY TYPHACEAE

<i>Typha angustifolia</i> L.
<i>Typha latifolia</i> L.

Cat-tail Family

Narrowleaf Cattail
Broadleaf Cattail

FAMILY PONTEDERIACEAE

Heteranthera dubia (Jacq.) MacMill.
Pontederia cordata L.

FAMILY LILIACEAE

Allium schoenoprasum L.
Allium stellatum Fraser ex Ker Gawl.
Asparagus officinalis L.
Clintonia borealis (Aiton) Raf.
Lilium lancifolium Thunb.
Lilium michiganense Farw.
Maianthemum canadense Desf.
Maianthemum canadense (L.) Link ssp *racemosum*
Maianthemum stellatum (L.) Link
Maianthemum trifolium (L.) Sloboda
Polygonatum biflorum (Walter) Ell.
Polygonatum pubescens (Willd.) Pursh
Streptopus lanceolatus (Ait.) Reveal var *roseus*
Trillium cernuum L.
Uvularia grandiflora Sm.
Uvularia sessilifolia L.

FAMILY IRIDACEAE

Iris germanica L.
Iris versicolor L.
Sisyrinchium montanum Greene

FAMILY SMILACACEAE

Smilax herbacea L.

FAMILY ORCHIDACEAE

Amerorchis rotundifolia (Banks ex Pursh) Hultén
Arethusa bulbosa L.
Calopogon tuberosus (L.) B.S.P.
Calypso bulbosa (L.) Oakes
Corallorrhiza maculata (Raf.) Raf.
Corallorrhiza striata Lindl.
Corallorrhiza trifida Châtel
Cypripedium acaule Aiton
Cypripedium calceolus L.
Cypripedium reginae Walter
Goodyera repens (L.) R. Br.
Goodyera tesselata Lodd.

Water-hyacinth Family

Grassleaf Mudplantain
Pickerelweed

Lily Family

Chives
Autumn Onion
Asparagus
Yellow Bluebeadlily
Tiger Lily
Michigan Lily
Canada Beadruby
Feather Solomon's Seal
Starry False Solomon's Seal
Threeleaf False Solomon's Seal
King Solomon's Seal
Hairy Solomon's Seal
Twistedstalk
Whippoorwill Flower
Large Flower Bellwort
Sessileleaf Bellwort

Iris Family

German Iris
Harlequin Blueflag
Mountain Blue Eyed Grass

Catbrier or Smilax Family

Smooth Carrion Flower

Orchid or Orchis Family

Roundleaf Orchid
Dragon's Mouth
Tuberous Grasspink
Fairyslipper Orchid
Summer Coralroot
Hooded Coralroot
Yellow Coralroot
Pink Lady's Slipper
Yellow Lady's Slipper
Showy Lady's Slipper
Lesser Rattlesnake Plantain
Checkered Rattlesnake Plantain

<i>Liparis loeselii</i> (L.) Rich. ex Lindl.	Yellow Widelip Orchid
<i>Listera cordata</i> (L.) R. Br.	Heartleaf Twayblade
<i>Malaxis brachypoda</i> (Gray) Fern.	White Adder's-Mouth Orchid
<i>Malaxis unifolia</i> Michx.	Green Adder's-Mouth Orchid
<i>Platanthera dilatata</i> (Pursh) Lindl. ex Beck	Boreal Bog Orchid
<i>Platanthera hookeri</i> (Torr. ex A. Gray) Lindl.	Hooker's Orchid
<i>Platanthera hyperborea</i> (L.) Lindl.	Northern Green Orchid
<i>Platanthera obtusata</i> (Banks ex Pursh) Lindl.	Blunt Bog Orchid
<i>Platanthera orbiculata</i> (Pursh) Lindl.	Large Roundleaved Orchid
<i>Platanthera psycodes</i> (L.) Lindl.	Lesser Purple Fringed Orchid
<i>Pogonia ophioglossoides</i> (L.) Juss.	Snakemouth Orchid
<i>Spiranthes lacera</i> (Raf.) Raf.	Northern Slender Ladiestresses

Appendix 3. Preliminary odonate list for Voyageurs National Park.

Taxonomy and nomenclature follow Dragonfly Society of the Americas (2004). Arranged phylogenetically by family, then alphabetically by scientific name.

Scientific Name	Common Name	VOYA Status ¹	VOYA 2004 ²	Rainy Lake ³	ON Ode Atlas ⁴	USGS ⁵	Bick & Mauffray ⁶	Mead ⁷	Dunkle ⁸	Haarstad ⁹
Calopterygidae										
<i>Calopteryx aequabilis</i>	River Jewelwing	3		C	P				C	
<i>Calopteryx maculata</i>	Ebony Jewelwing	4		P					C	
<i>Hetaerina americana</i>	American Rubyspot	5							C	
<i>Hetaerina titia</i>	Smoky Rubyspot	6							P	
Lestidae										
<i>Archilestes grandis</i>	Great Spreadwing	6							P	
<i>Lestes congener</i>	Spotted Spreadwing	3		C	P				C	
<i>Lestes disjunctus</i>	Common Spreadwing	1	C	C	C	C			C	
<i>Lestes dryas</i>	Emerald Spreadwing	3		C					C	
<i>Lestes eurinus</i>	Amber-winged Spreadwing	5							C	
<i>Lestes forcipatus</i>	Sweetflag Spreadwing	3		C	P				P	
<i>Lestes inaequalis</i>	Elegant Spreadwing	2	C						C	
<i>Lestes rectangularis</i>	Slender Spreadwing	1	C	C	C				C	
<i>Lestes unguiculatus</i>	Lyre-tipped Spreadwing	2		C	C				C	
<i>Lestes vigilax</i>	Swamp Spreadwing	5							C	
Coenagrionidae										
<i>Amphiagrion saucium</i>	Eastern Red Damsel	5							C	
<i>Argia alberta</i>	Paiute Dancer	6							P	
<i>Argia apicalis</i>	Blue-fronted Dancer	5							C	
<i>Argia bipunctulata</i>	Seepage Dancer	6							P	
<i>Argia emma</i>	Emma's Dancer	6							P	
<i>Argia fumipennis</i>	Violet Dancer	3							C	
<i>Argia immunda</i>	Kiowa Dancer	6							P	
<i>Argia lugens</i>	Sooty Dancer	6							P	
<i>Argia moesta</i>	Powdered Dancer	2	C	C					C	
<i>Argia plana</i>	Springwater Dancer	6							P	
<i>Argia sedula</i>	Blue-ringed Dancer	6							P	
<i>Argia tibialis</i>	Blue-tipped Dancer	5							C	
<i>Argia vivida</i>	Vivid Dancer	6							P	
<i>Chromagrion conditum</i>	Aurora Damsel	2	C						C	
<i>Coenagrion angulatum</i>	Prairie Bluet	5							C	
<i>Coenagrion interrogatum</i>	Subarctic Bluet	3			P				P	
<i>Coenagrion resolutum</i>	Taiga Bluet	1	C						C	
<i>Enallagma anna</i>	River Bluet	6							P	
<i>Enallagma antennatum</i>	Rainbow Bluet	5							C	
<i>Enallagma aspersum</i>	Azure Bluet	6							P	
<i>Enallagma basidens</i>	Double-striped Bluet	6							P	
<i>Enallagma boreale</i>	Boreal Bluet	1	C	C	C				C	

Scientific Name	Common Name	VOYA Status ¹	VOYA 2004 ²	Rainy Lake ³	ON Ode Atlas ⁴	USGS ⁵	Bick & Mauffray ⁶	Mead ⁷	Dunkle ⁸	Haarstad ⁹
<i>Enallagma carunculatum</i>	Tule Bluet	2		C	C					C
<i>Enallagma civile</i>	Familiar Bluet	3								C
<i>Enallagma clausum</i>	Alkali Bluet	4			P					C
<i>Enallagma cyathigerum</i>	Northern Bluet	1	C	C	C					C
<i>Enallagma divagans</i>	Turquoise Bluet	6							P	
<i>Enallagma ebrium</i>	Marsh Bluet	1	C	C	C	P			C	
<i>Enallagma exsulans</i>	Stream Bluet	3								
<i>Enallagma geminatum</i>	Skimming Bluet	5							C	
<i>Enallagma hageni</i>	Hagen's Bluet	1	C	C	C				C	
<i>Enallagma praeveratum</i>	Arroyo Bluet	6						P		
<i>Enallagma signatum</i>	Orange Bluet	5						C		
<i>Enallagma traviatum</i>	Slender Bluet	6						P		
<i>Enallagma vesperum</i>	Vesper Bluet	5						C		
<i>Ischnura damula</i>	Plains Forktail	6						P		
<i>Ischnura hastata</i>	Citrine Forktail	6						P		
<i>Ischnura kellicotti</i>	Lilypad Forktail	6						P		
<i>Ischnura perparva</i>	Western Forktail	6						P		
<i>Ischnura posita</i>	Fragile Forktail	5						C		
<i>Ischnura verticalis</i>	Eastern Forktail	2		C	C			C		
<i>Nehalennia gracilis</i>	Sphagnum Sprite	6						P		
<i>Nehalennia irene</i>	Sedge Sprite	1	C	C	C	C			C	
Aeshnidae										
<i>Aeshna canadensis</i>	Canada Darner	1	C	C	C	C	C	C	C	C
<i>Aeshna clepsydra</i>	Mottled Darner	6						C	P	P
<i>Aeshna constricta</i>	Lance-tipped Darner	1	C	C	C	C	C	C	C	C
<i>Aeshna eremita</i>	Lake Darner	1	C	C	C	P	C	C	C	C
<i>Aeshna interrupta</i>	Variable Darner	1	C		C	C	C	C	C	C
<i>Aeshna juncea</i>	Subarctic Darner	6						C	P	P
<i>Aeshna mutata</i>	Spatterdock Darner	6							P	
<i>Aeshna septentrionalis</i>	Azure Darner	6							P	
<i>Aeshna sitchensis</i>	Zigzag Darner	2			C	C	C	C	C	C
<i>Aeshna subarctica</i>	Muskeg Darner	3			P	P	C	C	P	C
<i>Aeshna tuberculifera</i>	Black-tipped Darner	3			C	P	C	C	C	C
<i>Aeshna umbrosa</i>	Shadow Darner	2		C	C	C	C	C	C	C
<i>Aeshna verticalis</i>	Green-striped Darner	2			C	C	C	C	C	C
<i>Anax junius</i>	Common Green Darner	1	C	C	C	P		C	C	C
<i>Anax longipes</i>	Comet Darner	6							P	
<i>Basiaeschna janata</i>	Springtime Darner	1	C	C	C	C	C	C	C	C
<i>Boyeria grafiana</i>	Ocellated Darner	3				P	C	C	C	C
<i>Boyeria vinosa</i>	Fawn Darner	2			C	C	C	C	C	C
<i>Epiaeschna heros</i>	Swamp Darner	6						C	P	P
<i>Gomphaeschna furcillata</i>	Harlequin Darner	6						C	P	
<i>Nasiaeschna pentacantha</i>	Cyrano Darner	4		P		P	C	P	P	

Scientific Name	Common Name	VOYA Status ¹	VOYA 2004 ²	Rainy Lake ³	ON Ode Atlas ⁴	USGS ⁵	Bick & Mauffray ⁶	Mead ⁷	Dunkle ⁸	Haarstad ⁹
Gomphidae										
<i>Arigomphus cornutus</i>	Horned Clubtail	2	C	C	C	C	C	C	C	C
<i>Arigomphus furcifer</i>	Lilypad Clubtail	2	C		M	C	C	C	C	C
<i>Arigomphus submedianus</i>	Jade Clubtail	6						P	P	
<i>Arigomphus villosipes</i>	Unicorn Clubtail	5				C		P	C	
<i>Dromogomphus spinosus</i>	Black-shouldered Spinyleg	2	C	C	C	C	C	C	C	C
<i>Dromogomphus spoliatus</i>	Flag-tailed Spinyleg	6						P	P	
<i>Gomphus adelphus</i>	Moustached Clubtail	2		C	C	C	C	C	C	C
<i>Gomphus crassus</i>	Handsome Clubtail	6				P				
<i>Gomphus exilis</i>	Lancet Clubtail	2	C	C	C	C	C	C	C	C
<i>Gomphus externus</i>	Plains Clubtail	3			P	C		C	C	
<i>Gomphus fraternus</i>	Midland Clubtail	2	C	C	C	C	C	C	C	C
<i>Gomphus graslinellus</i>	Pronghorn Clubtail	1	C	C	C	C	C	C	C	C
<i>Gomphus lineatifrons</i>	Splendid Clubtail	3			P	C	C	C	C	C
<i>Gomphus lividus</i>	Ashy Clubtail	2		C	C	C	C	C	C	C
<i>Gomphus militaris</i>	Sulphur-tipped Clubtail	6						P		
<i>Gomphus quadricolor</i>	Rapids Clubtail	3			P	C	C	C	C	C
<i>Gomphus spicatus</i>	Dusky Clubtail	1	C	C	C	C	C	C	C	C
<i>Gomphus vastus</i>	Cobra Clubtail	2			C	C	C	C	C	C
<i>Gomphus ventricosus</i>	Skillet Clubtail	2			C	C	C	C	C	C
<i>Gomphus viridifrons</i>	Green-faced Clubtail	2			C	C	C	C	C	C
<i>Hagenius brevistylus</i>	Dragonhunter	1	C	C	C	C	C	C	C	C
<i>Lanthus parvulus</i>	Northern Pygmy Clubtail	6			M	P				
<i>Ophiogomphus anomalus</i>	Extra-striped Snaketail	3			P	C	C	C	C	C
<i>Ophiogomphus carolus</i>	Riffle Snaketail	3			P	C	C	C	C	C
<i>Ophiogomphus colubrinus</i>	Boreal Snaketail	2		C	C	C	C	C	C	C
<i>Ophiogomphus howei</i>	Pygmy Snaketail	5			M	C	C	C	C	C
<i>Ophiogomphus rupinsulensis</i>	Rusty Snaketail	2		C	C	C	C	C	C	C
<i>Ophiogomphus smithi</i>	Sand Snaketail	6				C	P			
<i>Ophiogomphus susbehcha</i>	Wisconsin Snaketail	5			M	C	C	C	C	C
<i>Progomphus obscurus</i>	Common Sanddragon	6				C	P	P		
<i>Stylogomphus albistylus</i>	Least Clubtail	2			C	C	C	P	C	
<i>Stylurus amnicola</i>	Riverine Clubtail	2			C	C	C	C	C	C
<i>Stylurus notatus</i>	Elusive Clubtail	2		C	C	C	C	C	C	C
<i>Stylurus plagiatus</i>	Russet-tipped Clubtail	5			C		C	C	C	
<i>Stylurus scudderi</i>	Zebra Clubtail	2		C	C	C	C	P	C	
<i>Stylurus spiniceps</i>	Arrow Clubtail	2		C	C	C	C	C	C	
Cordulegasteridae										
<i>Cordulegaster bilineata</i>	Brown Spiketail	6					C			
<i>Cordulegaster diastatops</i>	Delta-spotted Spiketail	6					C	P	P	
<i>Cordulegaster maculata</i>	Twin-spotted Spiketail	2		C	C	C	C	C	C	C
<i>Cordulegaster obliqua</i>	Arrowhead Spiketail	5		M	C	C	P	C		

Scientific Name	Common Name	VOYA Status ¹	VOYA 2004 ²	Rainy Lake ³	ON Ode Atlas ⁴	USGS ⁵	Bick & Mauffray ⁶	Mead ⁷	Dunkle ⁸	Haarstad ⁹
Macromiidae										
<i>Didymops transversa</i>	Stream Cruiser	1	C		C	C	C	C	C	C
<i>Macromia illinoiensis</i>	Illinois River Cruiser	2		C	C	C	C	C	C	C
<i>Macromia pacifica</i>	Gilded River Cruiser	6							P	
<i>Macromia taeniolata</i>	Royal River Cruiser	6						P	P	
Corduliidae										
<i>Cordulia shurtleffi</i>	American Emerald	2	C	C	C	C	C	C	C	C
<i>Dorocordulia libera</i>	Racket-tailed Emerald	2	C	C	C	C	C	C	C	C
<i>Epitheca canis</i>	Beaverpond Baskettail	1	C		C		C	C	C	C
<i>Epitheca cynosura</i>	Common Baskettail	1	C	C	C	C	C	C	C	C
<i>Epitheca princeps</i>	Prince Baskettail	1	C	C	C	P	C	C	C	C
<i>Epitheca spinigera</i>	Spiny Baskettail	1	C	C	C	C	C	C	C	C
<i>Neurocordulia molesta</i>	Smoky Shadowdragon	5			M	C		P	C	
<i>Neurocordulia xanthosoma</i>	Orange Shadowdragon	6				C			P	
<i>Neurocordulia yamaskanensis</i>	Stygian Shadowdragon	2			C	C	C	P	C	
<i>Somatochlora albicincta</i>	Ringed Emerald	4		P			C	P		
<i>Somatochlora cingulata</i>	Lake Emerald	3		C			C	C	P	C
<i>Somatochlora elongata</i>	Ski-tailed Emerald	2			C	C	C	C	C	C
<i>Somatochlora ensigera</i>	Plains Emerald	3			P	C	C	C	C	C
<i>Somatochlora forcipata</i>	Forcipate Emerald	2	C	C	C	C	C	C	C	C
<i>Somatochlora franklini</i>	Delicate Emerald	1	C	C	C	C	C	C	C	C
<i>Somatochlora hineana</i>	Hine's Emerald	6				C	P	P		
<i>Somatochlora hudsonica</i>	Hudsonian Emerald	6				C	P			
<i>Somatochlora incurvata</i>	Incurvate Emerald	6				C	P	P		
<i>Somatochlora kennedyi</i>	Kennedy's Emerald	3		C	P	C	C	C	C	C
<i>Somatochlora linearis</i>	Mocha Emerald	6						P		
<i>Somatochlora minor</i>	Ocellated Emerald	2			C	C	C	C	C	C
<i>Somatochlora tenebrosa</i>	Clamp-tipped Emerald	6				C	P	P		
<i>Somatochlora walshii</i>	Brush-tipped Emerald	2		C	C	C	C	C	C	C
<i>Somatochlora williamsoni</i>	Williamson's Emerald	2		C	C	C	C	C	C	C
<i>Williamsonia fletcheri</i>	Ebony Boghaunter	6				P	C	C	P	
<i>Williamsonia lintneri</i>	Ringed Boghaunter	6					P	P		
Libellulidae										
<i>Celithemis elisa</i>	Calico Pennant	2	C	P	M	C	C	C	C	C
<i>Celithemis eponina</i>	Halloween Pennant	5			M	C	C	C	C	C
<i>Celithemis fasciata</i>	Banded Pennant	5			M			P		
<i>Erythemis simplicicollis</i>	Eastern Pondhawk	3				C	C	C	C	C
<i>Ladona julia</i>	Chalk-fronted Corporal	1	C	C	C	C	C	C	C	C
<i>Leucorrhinia borealis</i>	Boreal Whiteface	4			M	C		C	C	
<i>Leucorrhinia frigida</i>	Frosted Whiteface	1	C	C	C	C	C	C	C	C
<i>Leucorrhinia glacialis</i>	Crimson-ringed Whiteface	2	C	C	P	C	C	C	C	C
<i>Leucorrhinia hudsonica</i>	Hudsonian Whiteface	1	C	C	C	C	C	C	C	C
<i>Leucorrhinia intacta</i>	Dot-tailed Whiteface	1	C	C	C	C	C	C	C	C

Scientific Name	Common Name	VOYA Status ¹	VOYA 2004 ²	Rainy Lake ³	ON Ode Atlas ⁴	USGS ⁵	Bick & Mauffray ⁶	Mead ⁷	Dunkle ⁸	Haarstad ⁹
<i>Leucorrhinia patricia</i>	Canada Whiteface	6					C	C		
<i>Leucorrhinia proxima</i>	Red-waisted Whiteface	1	C	C	C	C	C	C	C	
<i>Libellula cyanea</i>	Spangled Skimmer	6						P	P	
<i>Libellula incesta</i>	Slaty Skimmer	6					C			
<i>Libellula luctuosa</i>	Widow Skimmer	5			M	C	C	C	C	
<i>Libellula pulchella</i>	Twelve-spotted Skimmer	2		C	C		C	C	C	
<i>Libellula quadrimaculata</i>	Four-spotted Skimmer	1	C	C	C	C	C	C	C	
<i>Libellula semifasciata</i>	Painted Skimmer	6						P		
<i>Libellula vibrans</i>	Great Blue Skimmer	6						P	P	
<i>Nannothemis bella</i>	Elfin Skimmer	5			M	C	C	C	C	
<i>Pachydiplop longipennis</i>	Blue Dasher	3			P		C	C	C	
<i>Pantala flavescens</i>	Wandering Glider	2		P	C	C	C	C	C	
<i>Pantala hymenaea</i>	Spot-winged Glider	5			M	C	C	C	C	
<i>Perithemis tenera</i>	Eastern Amberwing	5			M	C		C	C	
<i>Plathemis lydia</i>	Common Whitetail	2		C			C	C	C	
<i>Sympetrum ambiguum</i>	Blue-faced Meadowhawk	5				C			C	
<i>Sympetrum corruptum</i>	Variegated Meadowhawk	3		C	P	C	C	C	C	
<i>Sympetrum costiferum</i>	Saffron-bordered Meadowhawk	2		C	C	C	C	C	C	
<i>Sympetrum danae</i>	Black Meadowhawk	2	C	C	C	C	C	C	C	
<i>Sympetrum internum</i>	Cherry-faced Meadowhawk	2	C	C	C	C	C	C	C	
<i>Sympetrum madidum</i>	Red-veined Meadowhawk	5			M	C		C	P	
<i>Sympetrum obtrusum</i>	White-faced Meadowhawk	1	C	C	C	C	C	C	C	
<i>Sympetrum occidentale</i>	Western Meadowhawk	3			P	C			C	
<i>Sympetrum rubicundulum</i>	Ruby Meadowhawk	2	C		P	C	C	C	C	
<i>Sympetrum semicinctum</i>	Band-winged Meadowhawk	2		C	C	C	C	C	C	
<i>Sympetrum vicinum</i>	Yellow-legged Meadowhawk	1	C	C	C	C	C	C	C	
<i>Tramea carolina</i>	Carolina Saddlebags	6					C	P	P	
<i>Tramea lacerata</i>	Black Saddlebags	5			M	C	C	C	C	
<i>Tramea onusta</i>	Red Saddlebags	5			M	C	C	C	C	

¹ see text for codes² confirmed in 2004 field work³ confirmed by Harris et al. (2002)⁴ Ontario Odonate Atlas C=confirmed for Rainy River District; P=confirmed elsewhere in NW Ontario⁵ USGS (Kondratieff 2000) C=confirmed for St. Louis or Koochiching counties;
P=confirmed for adjacent counties; M=confirmed elsewhere in Minnesota⁶ listed for MN in Bick & Mauffray⁷ listed for the "North Woods" (northern MN, WI, MI and NW Ontario) in Mead (2003)⁸ Dunkle (2000) C=confirmed in MN; P=confirmed in adjacent states or NW Ontario⁹ Haarstad (2002) C=confirmed for MN; P=confirmed in adjacent jurisdictions, may occur in MN